



SERVICE MANUAL

MODEL TYPE: YS1080
MC12D

WEB ACCESS: <http://www.yorkville.com>

WORLD HEADQUARTERS CANADA

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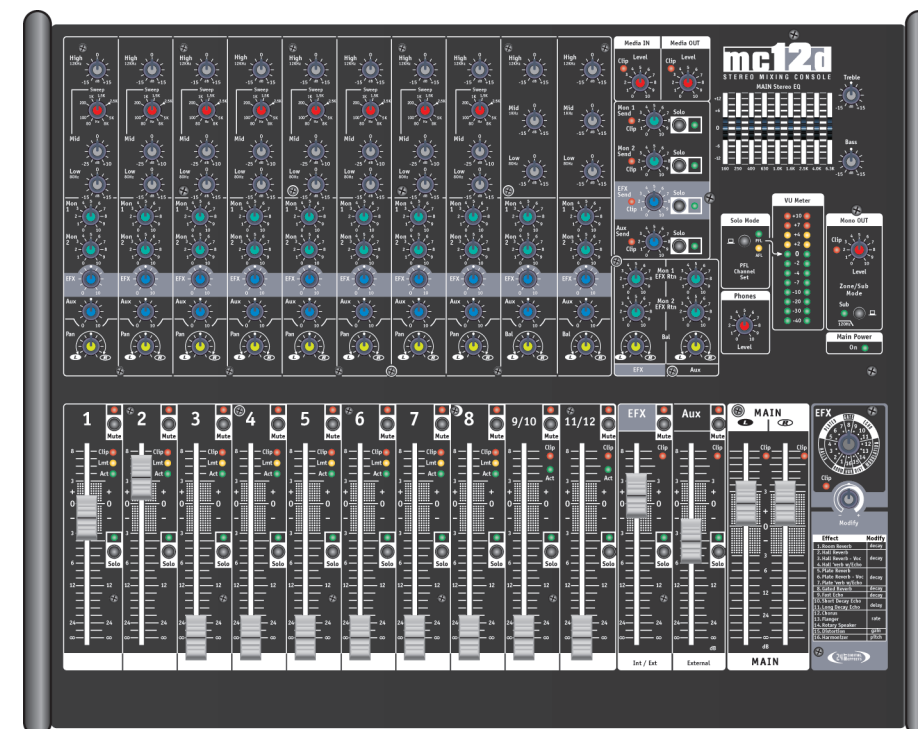
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Quality and Innovation Since 1963
Printed in Canada



IMPORTANT SAFETY INSTRUCTIONS



This lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Ce symbole d'éclair avec tête de flèche dans un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'un « voltage dangereux » non-isolé à proximité de l'enceinte du produit qui pourrait être d'ampleur suffisante pour présenter un risque de choc électrique.



CAUTION AVIS

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

**RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR**



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Le point d'exclamation à l'intérieur d'un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'instructions importantes dans la littérature accompagnant l'appareil en ce qui concerne l'opération et la maintenance de cet appareil.

FOLLOW ALL INSTRUCTIONS

**Instructions pertaining to a risk of fire,
electric shock, or injury to a person**

**CAUTION: TO REDUCE THE RISK OF ELECTRIC
SHOCK, DO NOT REMOVE COVER (OR BACK).**

NO USER SERVICEABLE PARTS INSIDE.

**REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.**

SUIVEZ TOUTES LES INSTRUCTIONS

**Instructions relatives au risque de feu,
choc électrique, ou blessures aux personnes**

**AVIS: AFIN DE REDUIRE LES RISQUE DE CHOC
ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE
PANNEAU ARRIERE) NE CONTIENT AUCUNE PIECE**

REPARABLE PAR L'UTILISATEUR.

**CONSULTEZ UN TECHNICIEN QUALIFIE
POUR L'ENTRETIEN**

Read Instructions: The Owner's Manual should be read and understood before operation of your unit. Please, save these instructions for future reference and heed all warnings.

Clean only with dry cloth.

Packaging: Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. *Do not use this apparatus near water!*

Warning: When using electric products, basic precautions should always be followed, including the following:

Power Sources

Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated. An apparatus with CLASS I construction shall be connected to a Mains socket outlet with a protective earthing ground. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. Only use attachments/accessories specified by the manufacturer

Note: Prolonged use of headphones at a high volume may cause health damage on your ears.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. The AC supply cord should be routed so that it is unlikely that it will be damaged. Protect the power cord from being walked on or pinched particularly at plugs. If the AC supply cord is damaged DO NOT OPERATE THE UNIT. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle. The mains plug of the power supply cord shall remain readily operable.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Service

The unit should be serviced only by qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Veillez Lire le Manuel: Il contient des informations qui devraient être comprises avant l'opération de votre appareil. Conservez. Gardez S.V.P. ces instructions pour consultations ultérieures et observez tous les avertissements.

Nettoyez seulement avec le tissu sec.

Emballage: Conservez la boîte au cas où l'appareil devait être retourner pour réparation.

Avertissement: Pour réduire le risque de feu ou la décharge électrique, n'exposez pas cet appareil à la pluie ou à l'humidité. *N'utilisez pas cet appareil près de l'eau!*

Attention: Lors de l'utilisation de produits électrique, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent être prises afin d'éviter que le système de mise à la terre de l'appareil ne soit désengagé. Un appareil construit selon les normes de CLASS I devrait être raccordé à une prise murale d'alimentation avec connexion intacte de mise à la masse. Lorsqu'une prise de branchement ou un coupleur d'appareils est utilisée comme dispositif de débranchement, ce dispositif de débranchement devra demeurer pleinement fonctionnel avec raccordement à la masse.

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant. Utilisez seulement les attachments/accessoires indiqués par le fabricant

Note: L'utilisation prolongée des écouteurs à un volume élevé peut avoir des conséquences néfastes sur la santé sur vos oreilles. .

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appareil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Assurez que l'appareil est fourni de la propre ventilation. Ne procédez pas à l'installation près de source de chaleur tels que radiateurs, registre de chaleur, fours ou autres appareils (incluant les amplificateurs) qui produisent de la chaleur.

Les dispositifs marqués d'une symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connexion extérieure doivent être effectués par un opérateur formé ou en utilisant des cordons déjà préparés.

Cordon d'Alimentation

Ne pas enlever le dispositif de sécurité sur la prise polarisée ou la prise avec tige de mise à la masse du cordon d'alimentation. Une prise polarisée dispose de deux lames dont une plus large que l'autre. Une prise avec tige de mise à la masse dispose de deux lames en plus d'une troisième tige qui connecte à la masse. La lame plus large ou la tige de mise à la masse est prévu pour votre sécurité. La prise murale est désuète si elle n'est pas conçue pour accepter ce type de prise avec dispositif de sécurité. Dans ce cas, contactez un électricien pour faire remplacer la prise murale. Évitez d'endommager le cordon d'alimentation. Protégez le cordon d'alimentation. Assurez-vous qu'on ne marche pas dessus et qu'on ne le pince pas en particulier aux prises. **N'UTILISEZ PAS L'APPAREIL** si le cordon d'alimentation est endommagé. Pour débrancher complètement cet appareil de l'alimentation CA principale, déconnectez le cordon d'alimentation de la prise d'alimentation murale. Le cordon d'alimentation du bloc d'alimentation de l'appareil doit demeurer pleinement fonctionnel.

Débranchez cet appareil durant les orages ou si inutilisé pendant de longues périodes.

Service

Consultez un technicien qualifié pour l'entretien de votre appareil. L'entretien est nécessaire quand l'appareil a été endommagé de quelque façon que se soit. Par exemple si le cordon d'alimentation ou la prise du cordon sont endommagés, si il y a eu du liquide qui a été renversé à l'intérieur ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, si il ne fonctionne pas normalement, ou a été échappé.

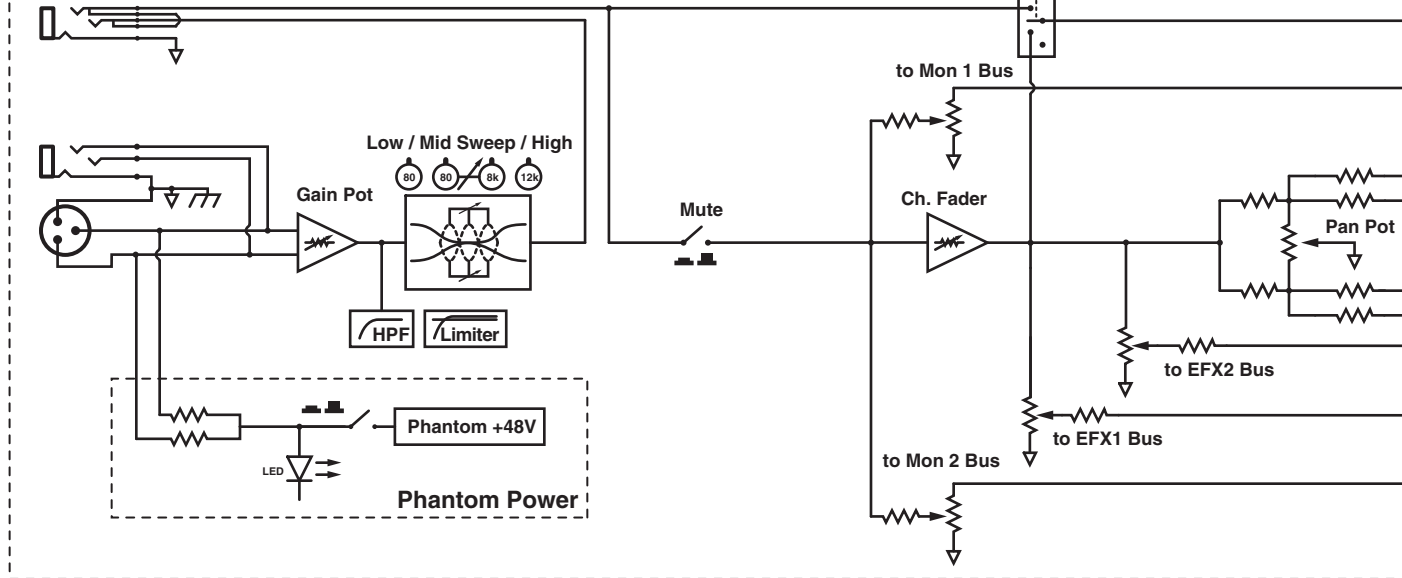
MC12D Parts List 3/19/2010

| YS # | Description | Qty. | YS # | Description | Qty. | YS # | Description | Qty. | YS # | Description | Qty. |
|------|--------------------------------------|------|------|-------------------------------------|-------|-----------|------------------------------------|------|---------|-------------------------------------|------|
| 5906 | RED 3MM LED 1V9 20MA.4SPCER T&R | 38 | 2328 | 8 CIR XH-HEADER 0.098IN | 9 | 7613 | 100N 25V 10%CAP 0805 SMT X7R | 5 | 3743 | SNAP ON 0.5" SPACER RICHCO | 8 |
| 5907 | YEL 3MM LED 1V9 20MA.4SPCER T&R | 14 | 2344 | 8 CIR XH-HEADER RA 0.098IN | 9 | 7616 | BZX84C6V2 6V2 0W225 SOT-23 SMT ZEN | 1 | 2342 | NYLON STANDOFF NUT #4 530MIL BLK | 3 |
| 5908 | GRN 3MM LED 1V9 20MA.4SPCER T&R | 44 | 3676 | 8 CIR CABLE HOLDER .098 | 32 | 7621 | 0.1W 1K0 1% 0805 SMT RES | 13 | 2345 | NYLON STANDOFF NUT #4 1INCH | 4 |
| 5993 | RED 3MM LED 1V9 20MA.12SPCR T&R | 1 | 5989 | 4 CIR CABLE HOLDER .098 | 2 | 7624 | 0.1W 100R 1% 0805 SMT RES | 3 | 8482 | 3/8 1D FLAT WASHER | 33 |
| 6438 | 1N4007 1000V 1A0 DIODE T&R | 8 | 3538 | 24 PIN BREAKAWAY LOCK .156 | 0.167 | 7625 | 0.1W 10K0 1% 0805 SMT RES | 21 | 8488 | 3/8 INT TOOTH LOCKWASHE ZINC | 1 |
| 6825 | 1N4148 75V 0A45 DIODE T&R | 10 | 4147 | 6 PIN POWER PIN HEADER | 1 | 7628 | 0.1W 15K0 1% 0805 SMT RES | 24 | 3424 | DPDT SLID SW PCMT H GOLD CONTACTS | 1 |
| 6432 | 1N5248B 18V0 0W5 ZENER 5% T&R | 2 | 3379 | HOUSING - CRIMP TERMINAL .156 6-POS | 1 | 7632 | 0.1W 2K32 1% 0805 SMT RES | 7 | 3436 | DPDT PUSH SW PCMT H BREAK B4 MAKE | 1 |
| 6475 | 1N5262B 51V0 0W5 ZENER 5% T&R | 1 | 3549 | TRIFURCON TERM .156 | 5 | 7633 | 0.1W 2K74 1% 0805 SMT RES | 2 | 3440 | 4PDT MINI VERT ALT SWITCH | 4 |
| 6488 | 1N5236BRL 7V5 0W5 ZENER 5% T&R | 1 | 3576 | CON TERM FEMALE 14-20 AWG | 4 | 7634 | 0.1W 20K5 1% 0805 SMT RES | 2 | 3522 | DPDT MINI PC VERT SMT ALT | 34 |
| 6855 | NJM7805FA TO220 P 5V0 REG IS V1 | 2 | 8397 | KNOB STYLE 2 GREY | 1 | 7635 | 0.1W 221R 1% 0805 SMT RES | 2 | 3698 | SPST ROKR SW QUIK 180° AC PWR BL/BL | 1 |
| 5103 | MPSA06 TO92 PNP TRAN T&R TA | 2 | 8633 | KNOB ROUND PUSHBUTTON 1/4" BLACK | 30 | 7636 | 0.1W 27K4 1% 0805 SMT RES | 16 | 3045 | PATCH 08 22AWG 10.0 XH | 1 |
| 5104 | MPSA56 TO92 PNP TRAN T&R TA | 2 | 8637 | ROUND PUSH BUTTON 1/4" BLK 24MM | 8 | 7637 | 1/8W 3K32 1% 0805 SMT RES | 2 | 3048 | PATCH 08 22AWG 03.0 XH | 9 |
| 6911 | BDX54C TO220 PNP TRAN DARL TE | 1 | 8661 | KNOB BUTTON FLAT GREY | 1 | 7638 | 0.1W 3K74 1% 0805 SMT RES | 1 | CH1340E | DG65CE/DB200 245V 50HZ TRD | 1 |
| 6912 | BDX53C TO220 NPN TRAN DARL TE | 2 | 8680 | KNOB AP-812 GREY FADER | 14 | 7646 | 0.1W 681R 1% 0805 SMT RES | 4 | | | |
| 6804 | MC33079P IC QUAD OP AMP | 5 | 9915 | KNOB 0-DEG RED SOFT GRAY RIB | 11 | 7648 | 0.1W 10M 1% 0805 SMT RES | 24 | | | |
| 6882 | TL072CP IC FET DUAL OP AMP | 2 | 9916 | KNOB 0-DEG GRY SOFT GRAY RIB | 34 | 7654 | 1/4W 619K 1% 1206 SMT RES | 28 | | | |
| 6889 | TL074CN IC QUAD O/A T.I ONLY | 14 | 9917 | KNOB 0-DEG GRN SOFT GRAY RIB | 26 | 7668 | MC33079D QUAD OPAMP SO14 IC | 4 | | | |
| 6895 | BA6822S IC LED VU METER C | 1 | 9918 | KNOB 0-DEG BLU SOFT GRAY RIB | 22 | 7669 | TL072 DUAL OPAMP SO-8 IC | 15 | | | |
| 7903 | NE5532D DUAL OPAMP SO-8 IC | 13 | 9919 | KNOB 0-DEG YEL SOFT GRAY RIB | 12 | 7671 | 1/8W 249R0 1% 0805 SMT RES | 4 | | | |
| 5199 | 100P 100V 2%CAP T&R RAD CER.2NPO | 2 | 9920 | KNOB 0-DEG WHT SOFT GRAY RIB | 4 | 7672 | 1/8W 348R0 1% 0805 SMT RES | 7 | | | |
| 5408 | 47P 100V 10%CAP T&R BEAD NPO | 20 | 9921 | KNOB 0-DEG GRY I/O COVERING | 13 | 7675 | 1/8W .1K21 1% 0805 SMT RES | 65 | | | |
| 5417 | 330P 50V 10%CAP T&R BEAD NPO | 6 | 3428 | 9' 3/18 SJT AC LINE CORD REMOVABLE | 1 | 7676 | 0.1W 2K0 1% 0805 SMT RES | 26 | | | |
| 7813 | 47P 50V 5%CAP 0805 SMT NPO | 23 | 2346 | 6-32 X 3/8" PEM BLD THRSPCR 0.213 | 8 | 7679 | 0.1W .4K99 1% 0805 SMT RES | 20 | | | |
| 5422 | 1N 50V 10%CAP T&R BEAD NPO | 32 | 8800 | 6-32 KEPS NUT ZINC | 6 | 7681 | 1/8W .8K25 1% 0805 SMT RES | 2 | | | |
| 5209 | 4N7 250V 5%CAP T&R RAD .2FLM | 2 | 8683 | 1/4-20 NYLON INSERT NUT ZINC | 1 | 7682 | 1/8W .17K8 1% 0805 SMT RES | 4 | | | |
| 5222 | 33N 100V 10%CAP T&R RAD .2FLM | 2 | 4017 | SARCON THERMAL GASKET 3.60"x0.75" | 1 | 7683 | 0.1W 20K0 1% 0805 SMT RES | 21 | | | |
| 6451 | 4N7 250V 20%CAP BLK Y 10MM AC | 1 | 2326 | LITEPIPE CLEAR L.54" D.125" | 1 | 7684 | 0.1W .39K 5% 0805 SMT RES | 3 | | | |
| 7952 | 47N 25V 5%CAP 0805 SMT X7R | 12 | 4597 | 22AWG STRAN TC WIR JMP | 12 | 7685 | 1/8W 200K 1% 0805 SMT RES | 9 | | | |
| 5212 | 100N 63V 5%CAP T&R RAD .2FLM | 40 | 4599 | 22AWG SOLID SC WIR T&R JMP | 43 | 7688 | 1/8W .4M7 5% 0805 SMT RES | 2 | | | |
| 5314 | 100N 50V 10%CAP T&R BEAD X7R | 2 | 2005 | 1.0W 0R47 5%FLAME PROOF T&R RES | 2 | 7689 | 1/4W 619R0 1% 1206 SMT RES | 8 | | | |
| 7954 | 330N 16V 10%CAP 0603 SMT X7R | 2 | 2008 | 1.0W 10R 5%FLAME PROOF T&R RES | 4 | 7693 | 1N 50V 5%CAP 0805 SMT NPO | 3 | | | |
| 5257 | 2U2 63V 20%CAP T&R RAD .2EL | 2 | 2010 | 1/8W 10R0 2%FLAME PROOF T&R RES | 9 | 7694 | .3N3 25V 5%CAP 0805 SMT NPO | 6 | | | |
| 5258 | 4U7 63V 20%CAP T&R 8X7MM .2EL | 6 | 4602 | 1/8W 100R 5% T&R RES | 8 | 7695 | .6N8 50V 5%CAP 1206 SMT X7R | 10 | | | |
| 5266 | 680N 250V 20%CAP BLK X2 30MM AC | 1 | 2023 | 1/8W 220R0 1%FLAME PROOF T&R RES | 16 | 7696 | 68N 50V 5%CAP 0805 SMT X7R | 3 | | | |
| 7769 | 1U 50V 20%CAP 4.3X3.9 SMT ELC | 5 | 2024 | 1/8W 249R 2%FLAME PROOF T&R RES | 4 | 7700 | 5237B 8V2 0W225 5% SOT-23 SMT ZEN | 1 | | | |
| 5260 | 22U 50V 20%CAP T&R RAD .2EL | 24 | 6157 | 1/4W 562R 1%MINI MF T&R RES | 4 | 7703 | 1/8W .82K5 1% 0805 SMT RES | 5 | | | |
| 5282 | 10U 16V 20%CAP T&R 5X7MM .2NP | 12 | 5019 | 1/4W 620R 5%MINI T&R RES | 10 | 7763 | 0.1W 220R 1% 0603 SMT RES | 20 | | | |
| 5631 | 22U 50V 20%CAP T&R 6X7MM .2EL | 1 | 2031 | 1/8W 820R 5%FLAME PROOF T&R RES | 4 | 7766 | 15P 50V 5%CAP 0603 SMT NPO | 1 | | | |
| 5945 | 10U 63V 20%CAP T&R RAD .2EL | 1 | 4981 | 1/4W 1K 5%MINI T&R RES | 2 | 7778 | 470N 10V 10%CAP 0603 SMT X5R | 2 | | | |
| 5961 | 33U 16V 20%CAP T&R RAD .2 | 2 | 6110 | 1/4W 1K0 1%MINI MF T&R RES | 26 | 7779 | .2N2 50V 10%CAP 0603 SMT COG | 2 | | | |
| 7809 | 10U 16V 20%CAP 5X5.4 SMT NP | 2 | 5028 | 1/4W 3K74 1% T&R RES | 4 | 7781 | W063 49R9 1% 0603 SMT RES | 1 | | | |
| 7810 | 47U 16V 20%CAP 6X5.4 SMT ELE | 2 | 4774 | 1/4W 4K12 1% T&R RES | 4 | 7786 | CD4052B IC DUAL 4CHANNEL MUX SMT | 1 | | | |
| 7917 | 33U 25V 20%CAP 6.3X5.5 SMT EL | 57 | 4943 | 1/4W 4K7 5% .2U T&R RES | 2 | 7797 | W063 47K 1% 0603 SMT RES | 46 | | | |
| 5267 | 100U 25V 20%CAP T&R RAD .2EL | 4 | 4982 | 1/4W 4K7 5%MINI T&R RES | 2 | 7798 | .15N 50V 5%CAP 0805 SMT COG | 4 | | | |
| 5619 | 330U 100V 20%CAP BLK 12X25MM EL | 1 | 6128 | 1/4W 4K99 1%MINI MF T&R RES | 138 | 7799 | .5N6 50V 5%CAP 0805 SMT COG | 1 | | | |
| 5879 | 100U 16V 20%CAP T&R 8X7MM .2EL | 12 | 6557 | 1/4W 6K81 1%MINI T&R RES | 16 | 7805 | MMBT3906LT1 SOT-23 PNP TRAN T&R | 45 | | | |
| 7811 | 100U 25V 20%CAP 8X5.4 SMT ELE | 1 | 6121 | 1/4W 6K98 1%MINI MF T&R RES | 4 | 7817 | 33078 DUAL OPAMP SO-8 IC | 7 | | | |
| 5616 | 3300U 50V 20%CAP BLK 18X35MM EL | 2 | 4990 | 1/4W 8K2 5%MINI T&R RES | 8 | 7818 | LM1117 REGULATOR 3V3 SOT-223 | 1 | | | |
| 5635 | 1000U 35V 20%CAP BLK RADIAL ELECT | 3 | 4629 | 1/2W 10K 5% T&R RES | 1 | 7819 | 10U 10V 10%CAP 1206 SMT X5R | 17 | | | |
| 6578 | ROT BIN 18MM 4BIT ENCODER P23 | 1 | 4960 | 1/4W 10K0 1% .2U T&R RES | 4 | 7822 | 0.1W 7K50 1% 0805 SMT RES | 18 | | | |
| 4461 | 10K BLIN 9MM DETENT P32 | 37 | 4983 | 1/4W 10K 5%MINI T&R RES | 8 | 7824 | 1/8W 47K5 1% 0805 SMT RES | 8 | | | |
| 4462 | 50K BLIN 9MM P32 | 49 | 6116 | 1/4W 10K0 1%MINI MF T&R RES | 40 | 7828 | LM13700M IC XCONDUCTANCE AMP SMT | 4 | | | |
| 4463 | 50K BLIN 12MM STEREO DETENT P34 | 6 | 6123 | 1/4W 20K0 1%MINI MF T&R RES | 20 | 7838 | MMBT3904 NPN SOT-23 | 15 | | | |
| 4464 | 10K BLIN 12MM STEREO DETENT P34 | 5 | 6118 | 1/4W 22K 5%MINI T&R RES | 5 | 7853 | W250 100R 5% 1206 SMT RES | 36 | | | |
| 4465 | 10K 5C R/A 12MM STEREO P34 | 4 | 6122 | 1/4W 33K 5%MINI T&R RES | 16 | 7854 | W125 47R 5% 0805 SMT RES | 6 | | | |
| 4466 | 100K 5C R/A 12MM STEREO P34 | 8 | 4927 | 1/4W 47K 5% .2U T&R RES | 2 | 7856 | W125 470R 5% 0805 SMT RES | 18 | | | |
| 4470 | 20K 5C R/A 9MM P35 | 8 | 6119 | 1/4W 47K 5%MINI T&R RES | 2 | 7858 | W125 1K5 5% 0805 SMT RES | 32 | | | |
| 4408 | 50K 15A AUD 100MM STEREO S17 | 6 | 6149 | 1/4W 47K5 1%MINI MF T&R RES | 6 | 7860 | W125 4K7 5% 0805 SMT RES | 137 | | | |
| 4415 | 10K B LIN 100MM MONO S17 | 8 | 4929 | 1/4W 82K 5% .2U T&R RES | 4 | 7861 | W125 10K 5% 0805 SMT RES | 160 | | | |
| 3995 | 20K 1B LIN 30MM STEREO DETENTS13 | 9 | 4948 | 1/4W 1M 5% .2U T&R RES | 2 | 7863 | W125 33K 5% 0805 SMT RES | 20 | | | |
| 714 | 1.5 MIL X 36" CLEAR POLY SHEETING | 4 | 4057 | 4" 4C-26 AWG RIBBON CABLE 0.1" | 1 | 7864 | W125 100K 5% 0805 SMT RES | 11 | | | |
| 2338 | RCT SNAP 09X04MM WIRE CLAMP | 1 | 3665 | 2.0" 8C-26AWG RIBBON CABLE 0.1" | 16 | 7873 | .4N7 50V 5%CAP 1206 SMT NPO | 10 | | | |
| 8444 | MC12D GABLE | 2 | 3700 | RELAY 2C 01AMP DC24 015MA PC-S | 1 | 7875 | 100N 100V 10%CAP 1206 SMT X7R | 76 | | | |
| 3467 | CLIP 205X032 14-16AWG DISC/INSUL | 4 | 8842 | #4 X 5/16 PAN QUAD TYPE A JS500 BLK | 24 | 7882 | W063 0R 1% 1206 SMT RES | 1 | | | |
| 3478 | CLIP 205/187X032 18-22AWG DISCO/INS | 1 | 8808 | 4-40 X 3/4 FLAT PHIL MS B.O.& WAX | 27 | 7885 | PMLL4148 75V 0A2 DIO SOD80C SMT | 102 | | | |
| 3601 | RING TERMINAL 16AWG WIRE & #8 SCREW | 2 | 8819 | 4-40 X 1.25 FLAT PH MS BLK ROHS | 4 | 7886 | .4U7 25V 20%CAP 4X5.5MM SMT ELC | 8 | | | |
| 3926 | BNC FEMALE PANEL MNT NON-INSUL | 1 | 8832 | 6-32 X 1/4 PAN PH TAPTITE JS500 | 1 | 7912 | FV-1 SPIN SEMI REVERB CHIP IC | 1 | | | |
| 3921 | 1/4" JCK PCB MT VERT STER RT SWT | 32 | 8801 | 6-32 X 3/8 PAN PH TAPTITE JS500 | 26 | 7913 | 32KHZ CRYSTAL SMT 4-PIN FSRFL | 1 | | | |
| 3466 | RCA DUAL PCB MT VERT GOLD 24MM | 4 | 8829 | 6-32 X 3/8 FLAT PH TAPTITE BO#C HEA | 9 | 7927 | 100P 50V 10%CAP 0805 SMT NPO | 2 | | | |
| 2312 | 6-32 SCR W TERM VERT PC MNT 0.165IN | 1 | 8761 | 6-32 X 1/2 PAN PHIL MS ZINC CLEAR | 4 | 7930 | 1/4W 22R 5% 1206 SMT RES | 10 | | | |
| 3417 | 6-32 SCREW TERMINAL PC MNT SNAP-IN | 1 | 8830 | 6-32 X 7/8 PAN PH MS JS500 | 7 | 7932 | 07 PIN 25SO 100 PIN SMT SIL | 1 | | | |
| 3453 | XLR MALE PCB MT VERT | 2 | 8893 | 10-32 X 1 FLAT PHILIPS TT JS500 BLK | 14 | 7933 | 08 PIN 25SO 100 PIN SMT SIL | 1 | | | |
| 4010 | XLR FEMLE PCB MT VERT 24MM AA-SERIES | 10 | 8846 | 1/4-20 X 1 3/4 FLAT PH MS JS500 | 1 | 7951 | 1/8W 750R 1% 0805 SMT RES | 6 | | | |
| 2471 | T1A 5X20MM FUSE | 1 | 7601 | 220N 50V 10%CAP 1206 SMT Z5U | 3 | 7953 | 0.1W 56K 1% 0603 SMT RES | 14 | | | |
| 3979 | 6POS XSISTOR TO220SPRING | 1 | 7602 | 330P 50V 5%CAP 0805 SMT NPO | 7 | 7964 | 1.0W 47R 5% 2512 SMT RES | 2 | | | |
| 3438 | IEC PWR SOC W/.205TAB & FUSE 10A250V | 1 | 7605 | .1N5 50V 5%CAP 0805 SMT NPO | 8 | 7965 | DFLZ5V1-7 5V1 1W0 5% SMT ZEN | 1 | | | |
| 3810 | 4" NYLON CABLE TIE | 5 | 7608 | .10N 50V 5%CAP 1206 SMT X7R | 11 | 7966 | .2N7 100V 10%CAP 0805 SMT X7R | 2 | | | |
| 3827 | SQUARE BUMPER BUTTON BLACK | 1 | 7609 | 22N 50V 10%CAP 0805 SMT X7R | 8 | 7934-PROG | 24LC32A SER EEPROM MIX2-U3 YS DFX | 1 | | | |
| 4097 | CONN PLUG 6 POS. .084" V-2 FEMALE | 1 | 7610 | 33N 50V 5%CAP 0805 SMT X7R | 8 | 7935-PROG | 24LC32A SER EEPROM MIX2-U4 YS DFX | 1 | | | |
| 2327 | 6 CIR XH-HEADER 0.098IN | 2 | 7612 | 150N 16V 5%CAP 0805 SMT X7R | 10 | 2335 | NYLON STANDOFF NUT #4 500MIL | 24 | | | |

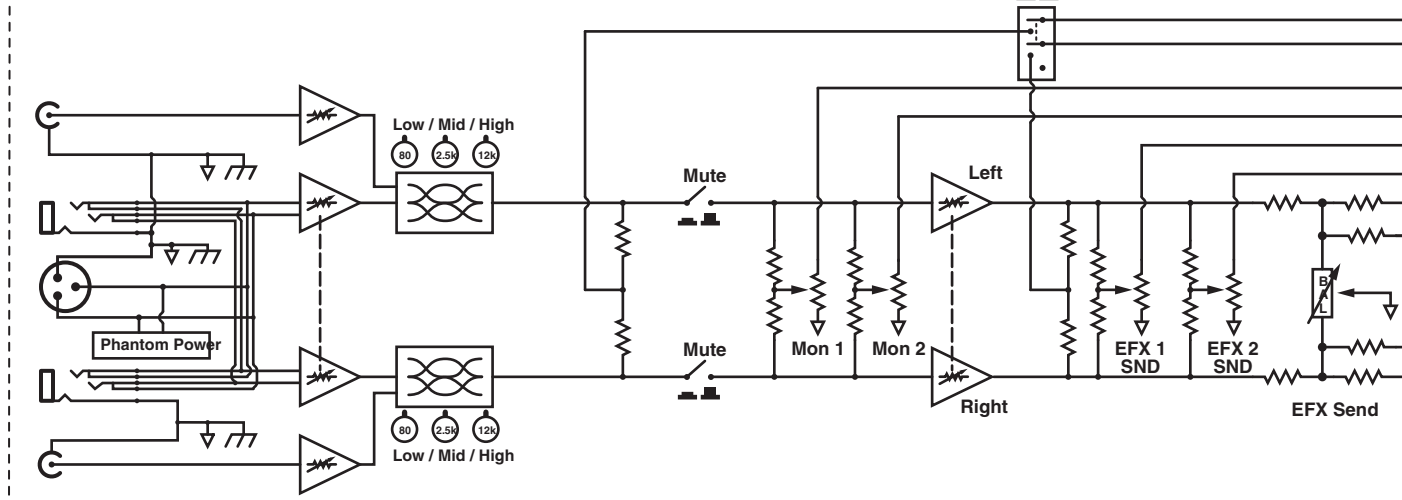
Block Diagram for MC12D
MODEL TYPE: YS1080
DESIGNED & MANUFACTURED BY YORKVILLE SOUND

Mono Channel Input Details
(Hi-Z on Ch. 7-8)

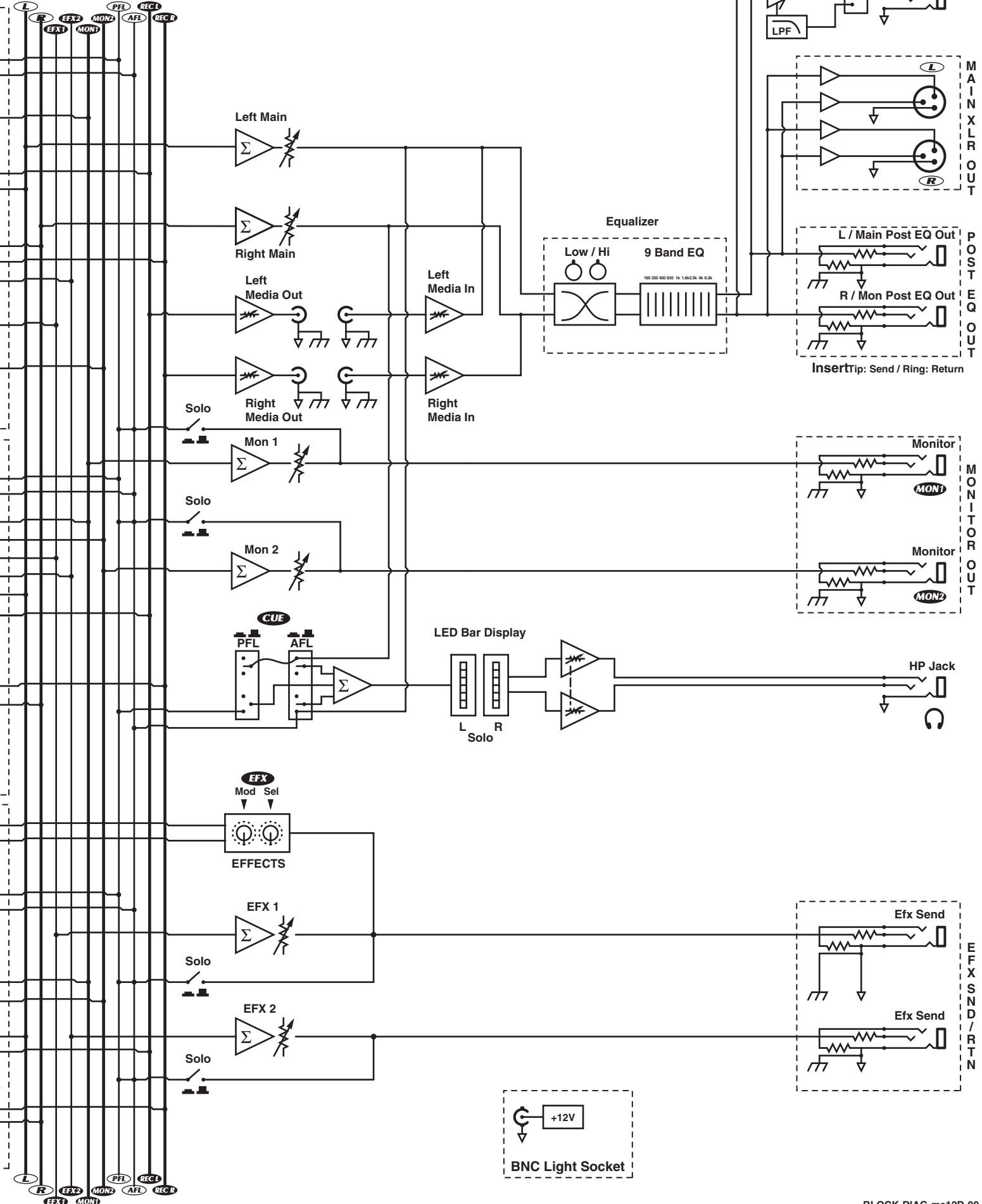
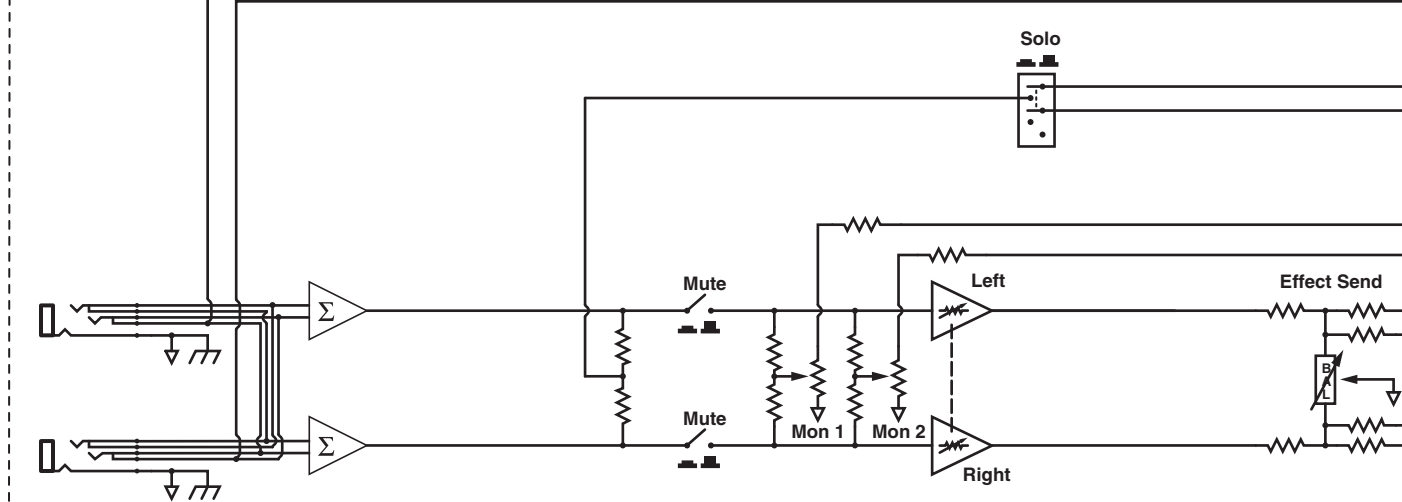
Insert Tip: Send / Ring: Return



Stereo Channel Input Details

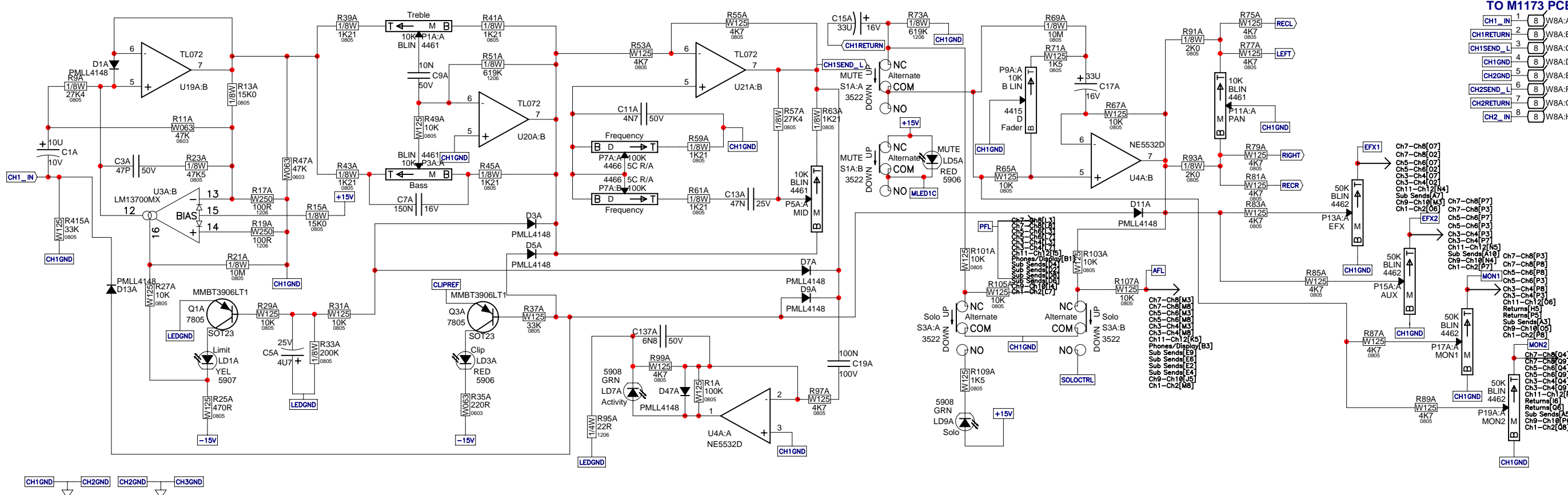


Effects Return



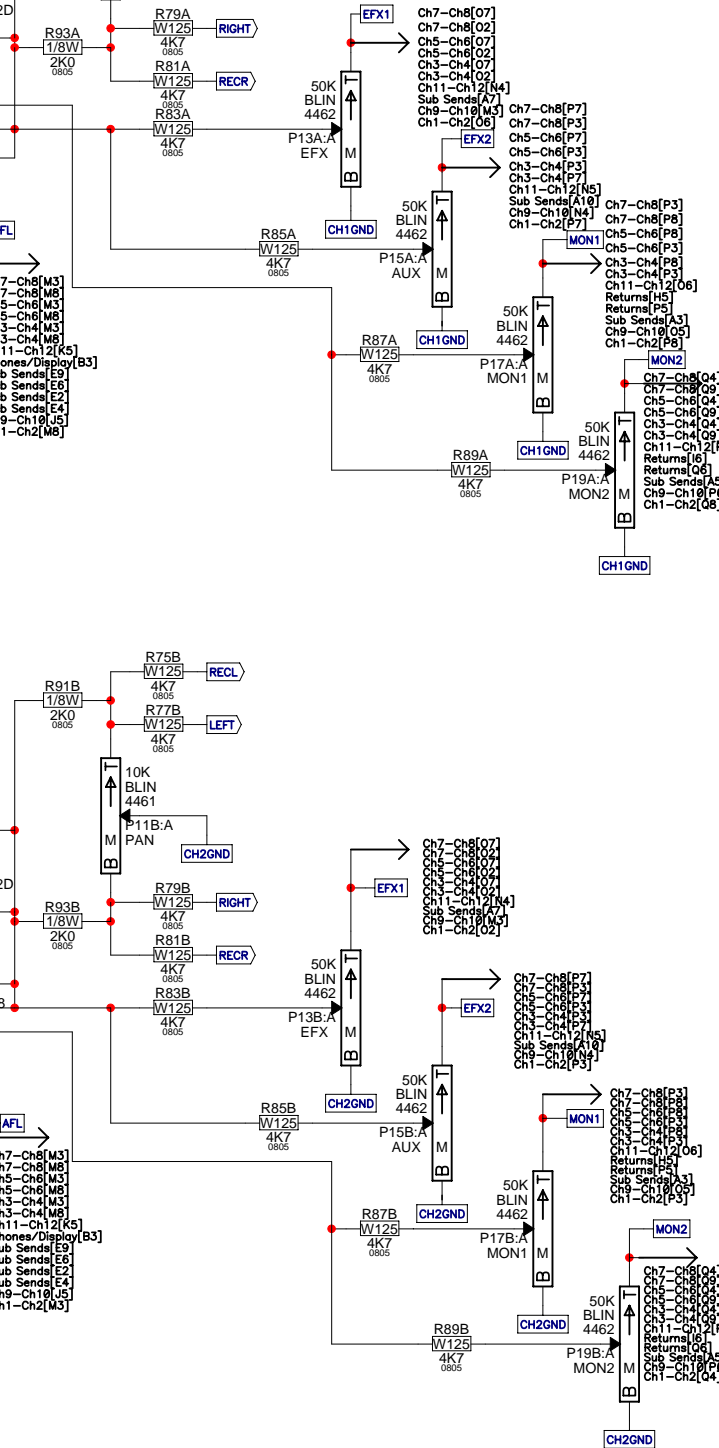
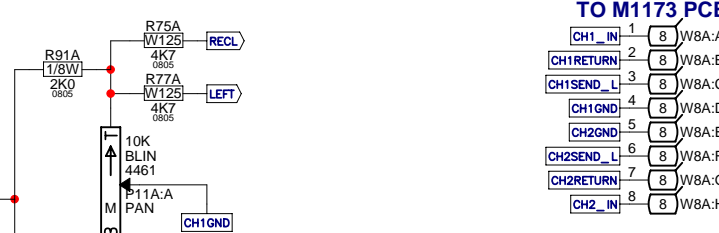
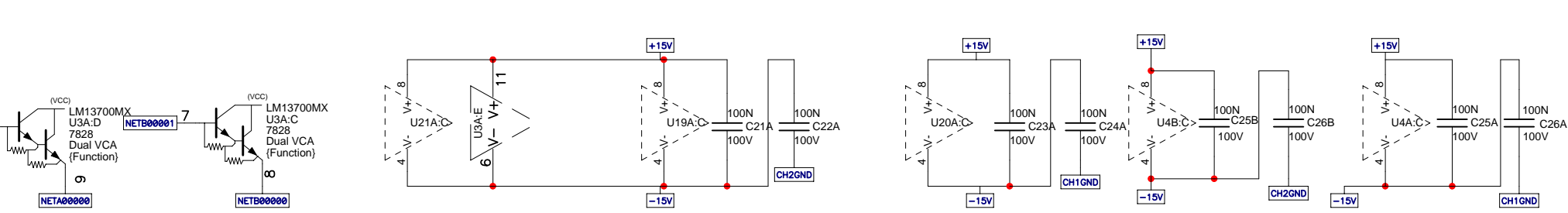
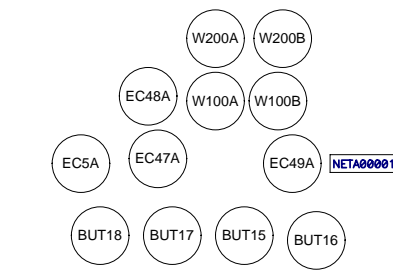
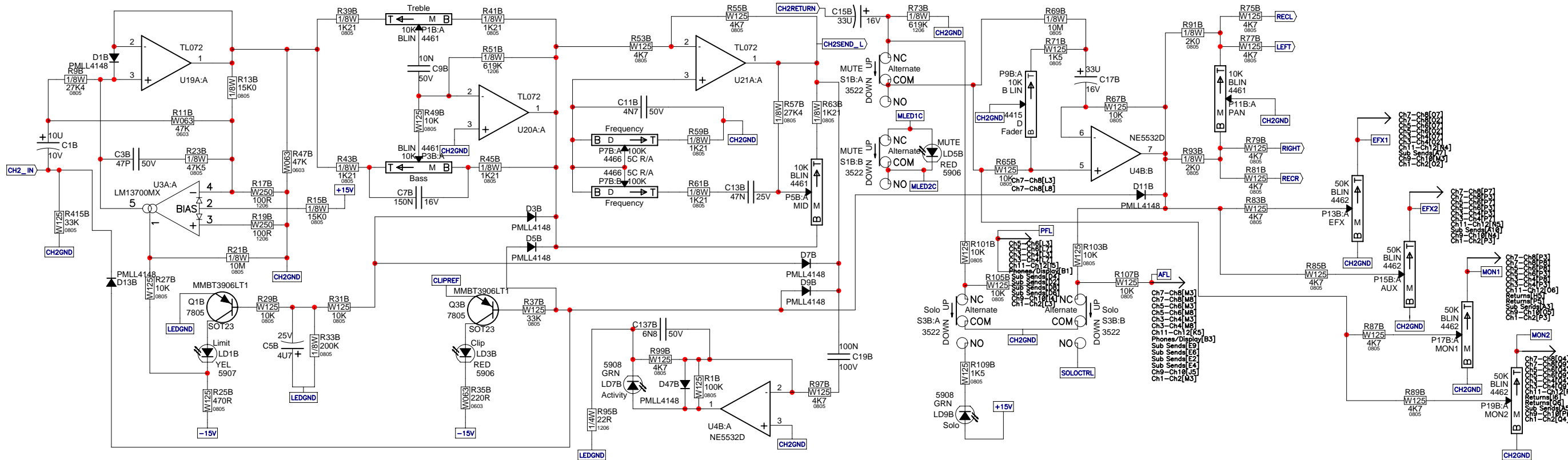
W1A:A 1
W1A:B 2
W1A:C 3
W1A:D 4
W1A:E 5
W1A:F 6
W1A:G 7
W1A:H 8

W2A:A 1
W2A:B 2
W2A:C 3
W2A:D 4
W2A:E 5
W2A:F 6
W2A:G 7
W2A:H 8



W1B:A 1
W1B:B 2
W1B:C 3
W1B:D 4
W1B:E 5
W1B:F 6
W1B:G 7
W1B:H 8

W2B:A 1
W2B:B 2
W2B:C 3
W2B:D 4
W2B:E 5
W2B:F 6
W2B:G 7
W2B:H 8



- CH3_IN 1 W8C:A
- CH3_RETURN 2 W8C:B
- CH3SEND_L 3 W8C:C
- CH3GND 4 W8C:D
- CH4SEND_L 5 W8C:E
- CH4_RETURN 6 W8C:F
- CH4RETURN 7 W8C:G
- CH4_IN 8 W8C:H

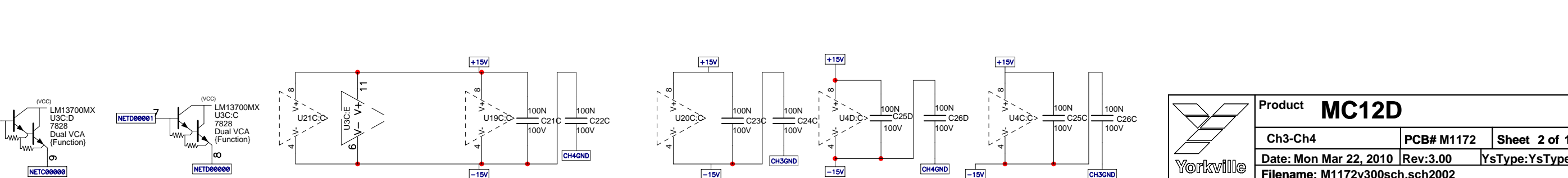
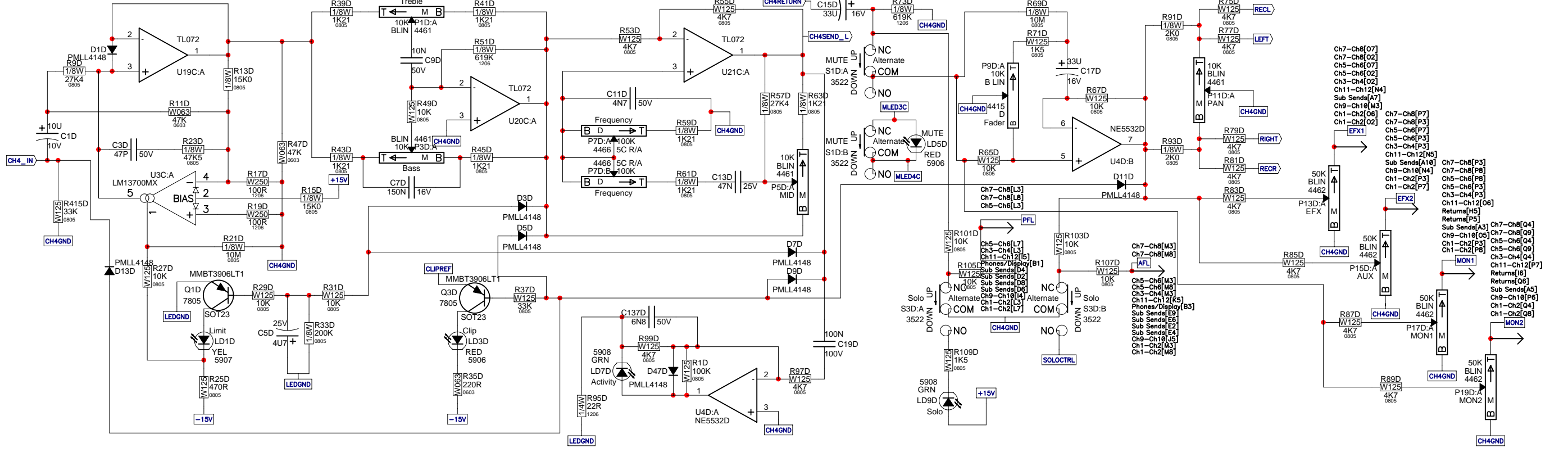
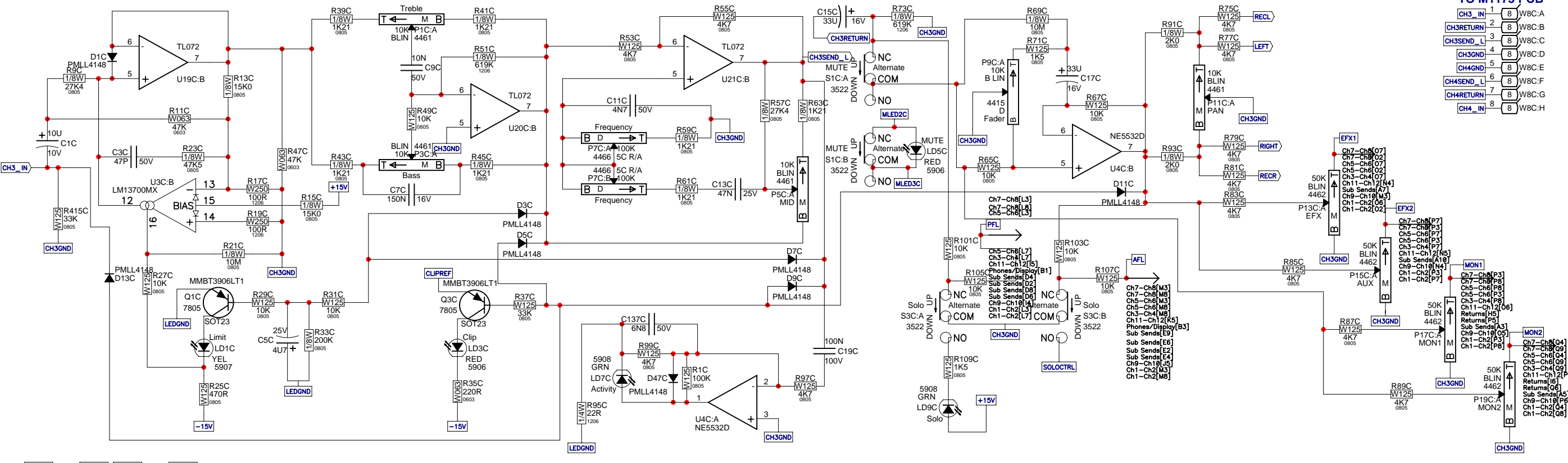
- W1C:A 1 W2C:A
- W1C:B 2 W2C:B
- W1C:C 3 W2C:C
- W1C:D 4 W2C:D
- W1C:E 5 W2C:E
- W1C:F 6 W2C:F
- W1C:G 7 W2C:G
- W1C:H 8 W2C:H

- CH3GND
- P11C:B
- P17C:B
- P13C:B
- P15C:B
- P19C:B
- P1C:B
- P3C:B
- P7C:C
- P5C:B
- P9C:B

- W1D:A 1 W2D:A
- W1D:B 2 W2D:B
- W1D:C 3 W2D:C
- W1D:D 4 W2D:D
- W1D:E 5 W2D:E
- W1D:F 6 W2D:F
- W1D:G 7 W2D:G
- W1D:H 8 W2D:H

- CH4GND
- P11D:B
- P17D:B
- P13D:B
- P15D:B
- P19D:B
- P1D:B
- P3D:B
- P7D:C
- P5D:B
- P9D:B

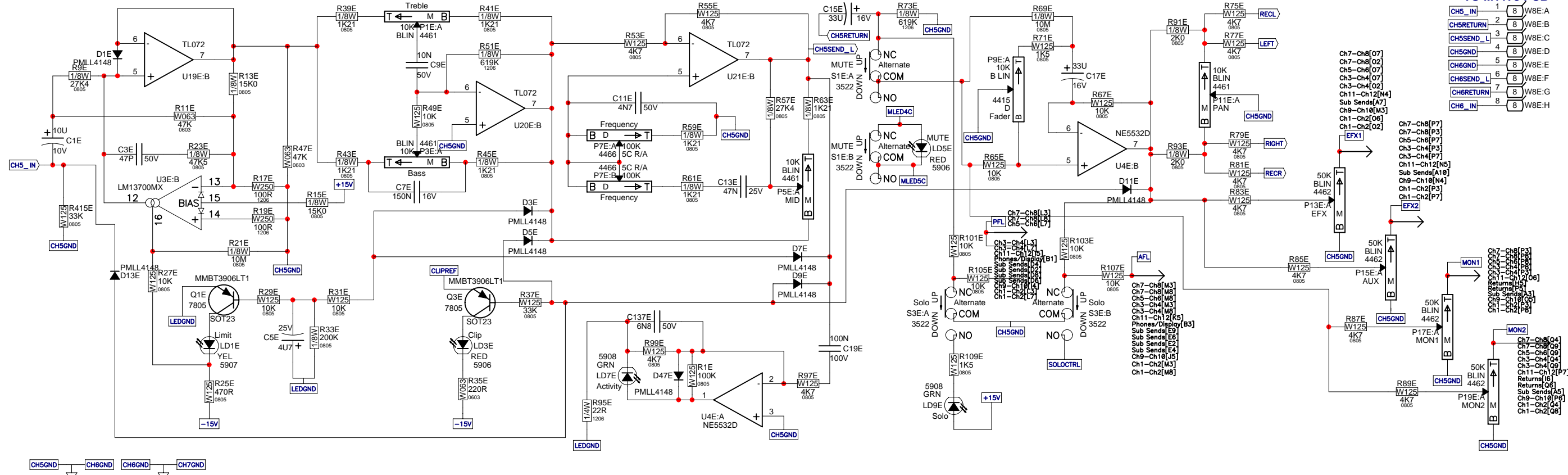
- PLASTICPIN 1 EC48A1
- W200C W200D
- W100C W100D
- EC5A1 EC47A1 EC46A1 EC49A1
- BUT19 BUT22 BUT20 BUT21



W1E:A 1
W1E:B 2
W1E:C 3
W1E:D 4
W1E:E 5
W1E:F 6
W1E:G 7
W1E:H 8

W2E:A 1
W2E:B 2
W2E:C 3
W2E:D 4
W2E:E 5
W2E:F 6
W2E:G 7
W2E:H 8

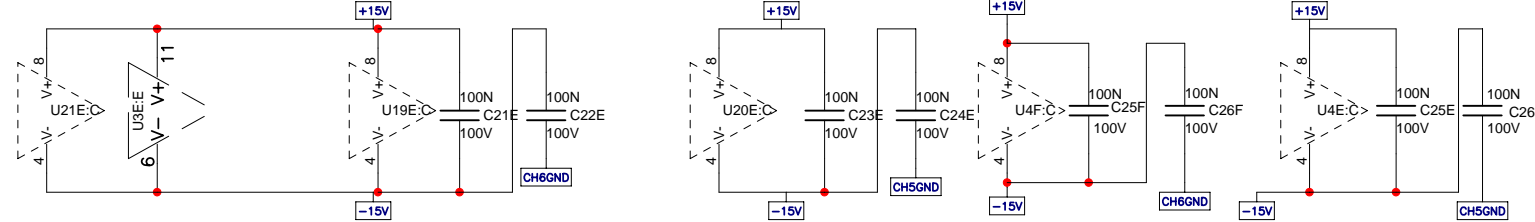
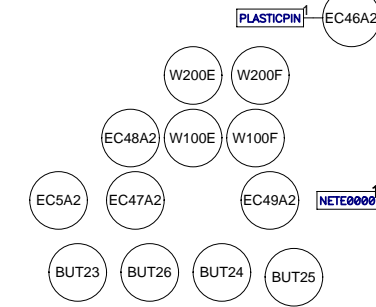
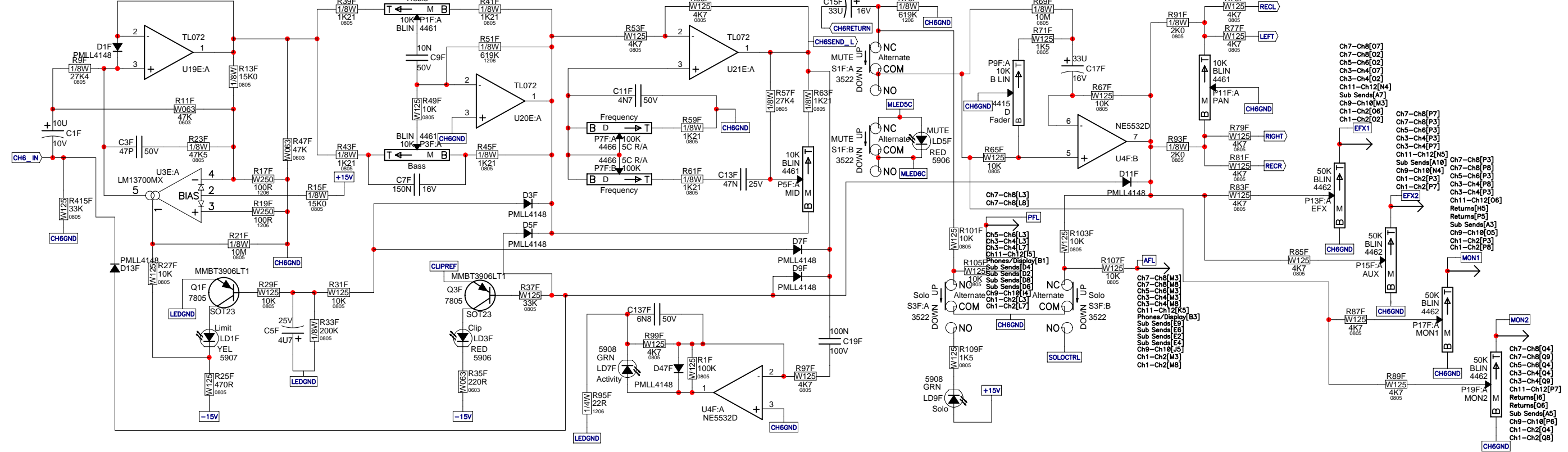
P11E:B CH5GND
P17E:B CH5GND
P13E:B CH5GND
P15E:B CH5GND
P19E:B CH5GND
P1E:B CH5GND
P3E:B CH5GND
P7E:C CH5GND
P5E:B CH5GND
P9E:B CH5GND



W1F:A 1
W1F:B 2
W1F:C 3
W1F:D 4
W1F:E 5
W1F:F 6
W1F:G 7
W1F:H 8

W2F:A 1
W2F:B 2
W2F:C 3
W2F:D 4
W2F:E 5
W2F:F 6
W2F:G 7
W2F:H 8

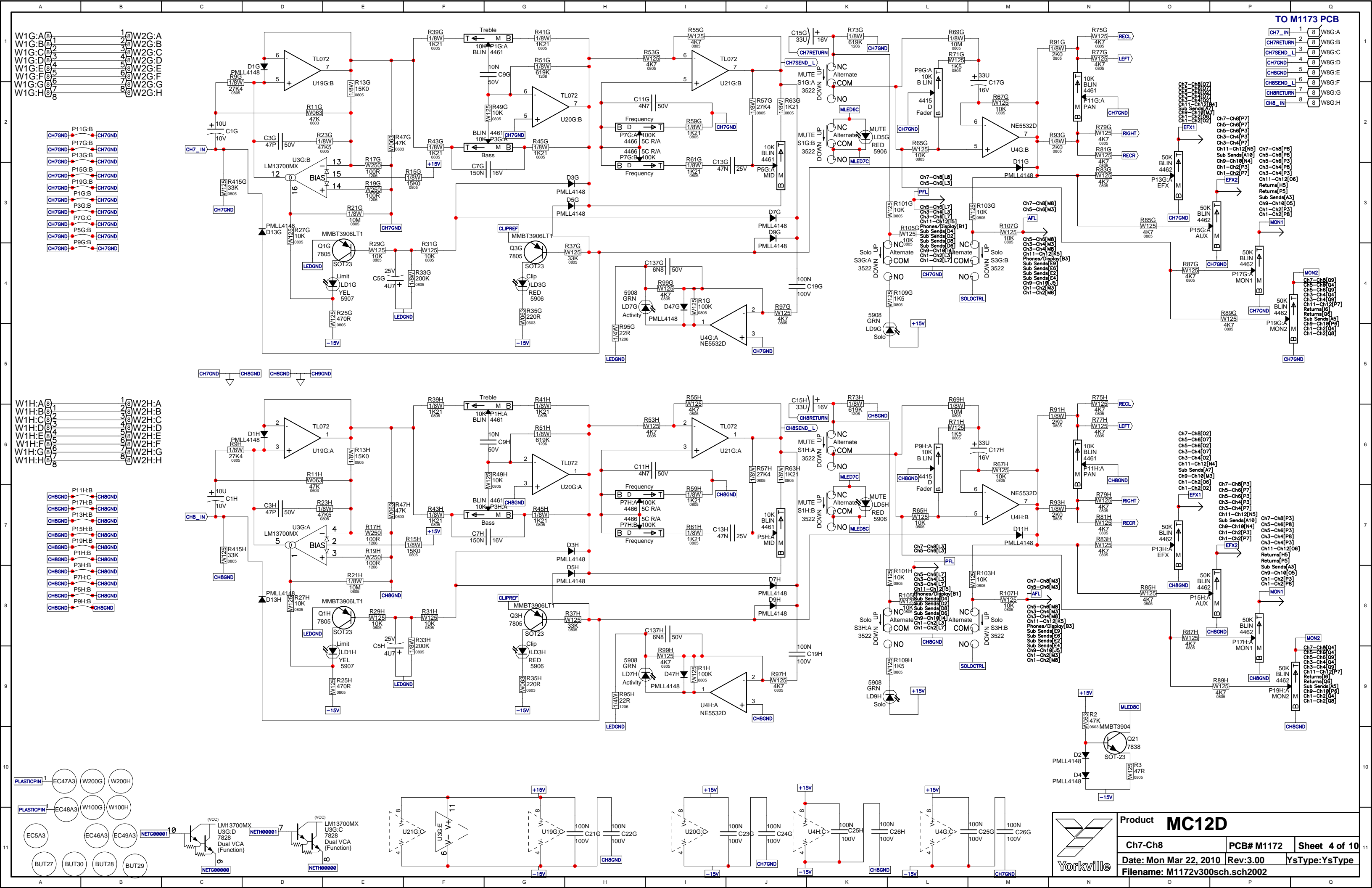
P11F:B CH6GND
P17F:B CH6GND
P13F:B CH6GND
P15F:B CH6GND
P19F:B CH6GND
P1F:B CH6GND
P3F:B CH6GND
P7F:C CH6GND
P5F:B CH6GND
P9F:B CH6GND

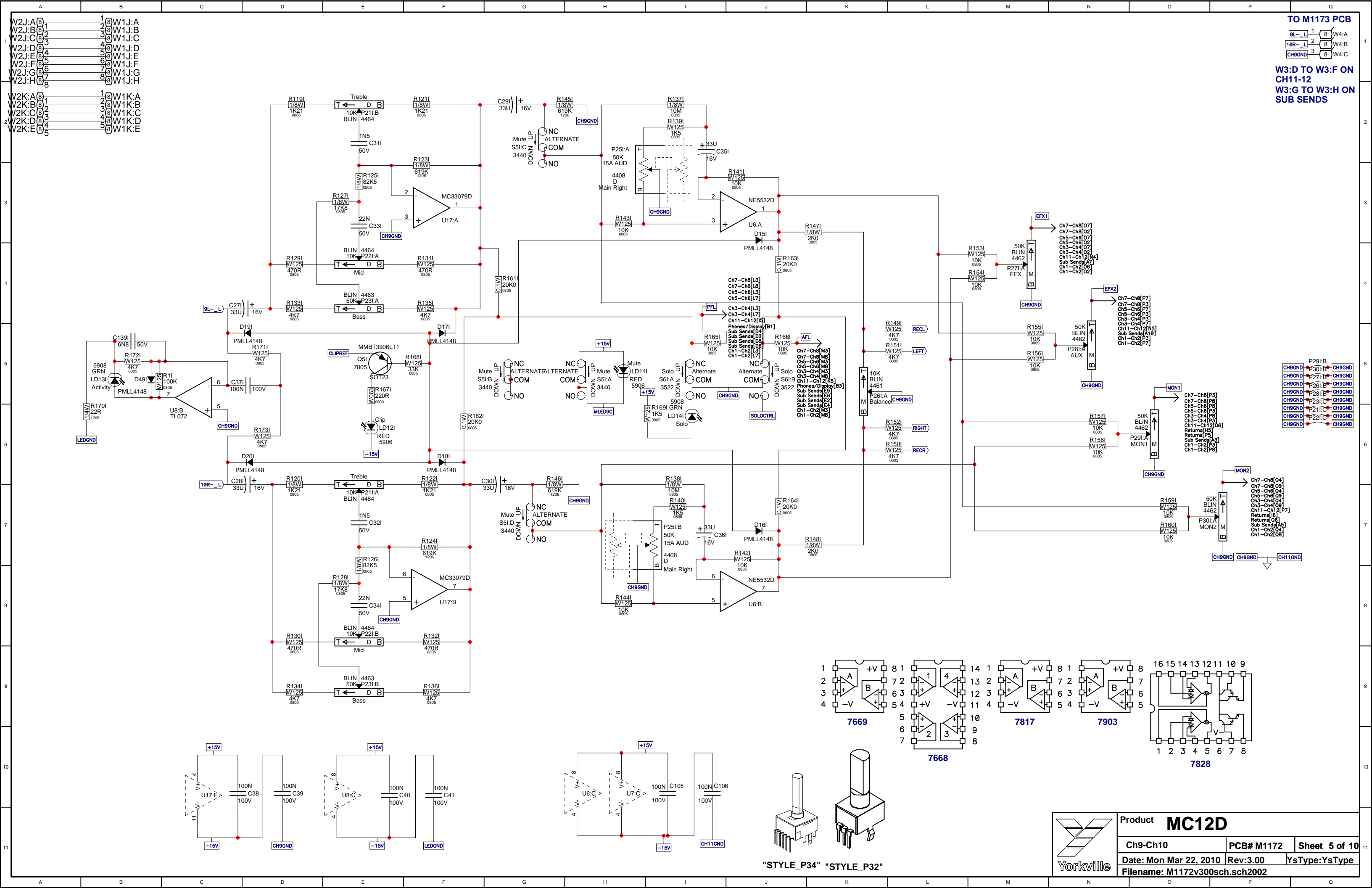


Yorkville

Product **MC12D**

| | | |
|--------------------------------|------------|---------------|
| Ch5-Ch6 | PCB# M1172 | Sheet 3 of 10 |
| Date: Mon Mar 22, 2010 | Rev:3.00 | YsType:YsType |
| Filename: M1172v300sch.sch2002 | | |





TO M1173 PCB
 W4:A
 W4:B
 W4:C

W3:D TO W3:F ON CH11-12
 W3:G TO W3:H ON SUB SENDS

W2J:A 1
 W2J:B 2
 W2J:C 3
 W2J:D 4
 W2J:E 5
 W2J:F 6
 W2J:G 7
 W2J:H 8

W2K:A 1
 W2K:B 2
 W2K:C 3
 W2K:D 4
 W2K:E 5

W1J:A 1
 W1J:B 2
 W1J:C 3
 W1J:D 4
 W1J:E 5
 W1J:F 6
 W1J:G 7
 W1J:H 8

W1K:A 1
 W1K:B 2
 W1K:C 3
 W1K:D 4
 W1K:E 5

P29I:B
 P27I:B
 P28I:B
 P21I:C
 P22I:C

CH9GND
 CH9GND
 CH9GND
 CH9GND
 CH9GND

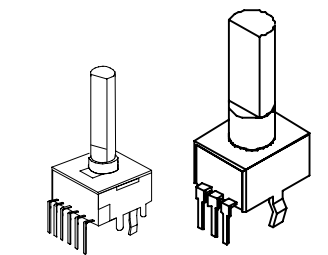
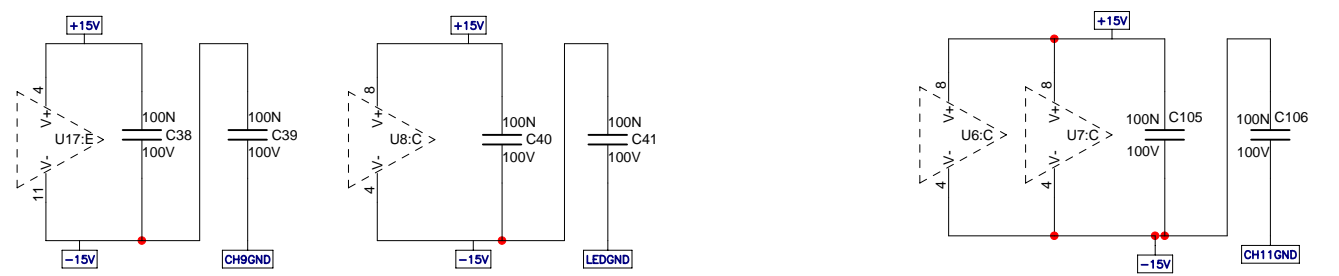
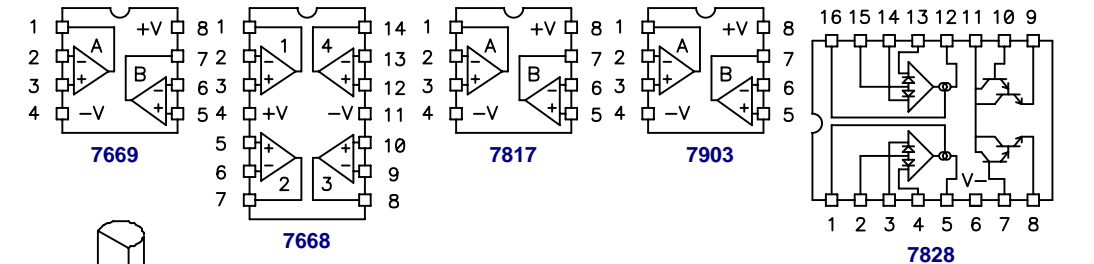
MON1
 MON2

CH7-Ch8[P3]
 Ch7-Ch8[P8]
 Ch5-Ch6[P8]
 Ch3-Ch4[P8]
 Ch3-Ch4[P3]
 Ch3-Ch4[P3]
 Ch11-Ch12[P6]
 Returns[H5]
 Returns[H6]
 Returns[H6]
 Sub Sends[A3]
 Ch1-Ch2[P3]
 Ch1-Ch2[P8]

CH9GND
 CH9GND
 CH9GND
 CH9GND
 CH9GND

CH7-Ch8[Q4]
 Ch7-Ch8[Q9]
 Ch5-Ch6[Q4]
 Ch5-Ch6[Q9]
 Ch3-Ch4[Q4]
 Ch3-Ch4[Q9]
 Ch11-Ch12[P7]
 Returns[H5]
 Returns[H6]
 Sub Sends[A5]
 Ch1-Ch2[Q4]
 Ch1-Ch2[Q9]

CH9GND
 CH9GND
 CH9GND
 CH9GND
 CH9GND

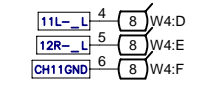


| | | |
|--------------------------------|------------|---------------|
| Product MC12D | | |
| Ch9-Ch10 | PCB# M1172 | Sheet 5 of 10 |
| Date: Mon Mar 22, 2010 | Rev:3.00 | YsType:YsType |
| Filename: M1172v300sch.sch2002 | | |

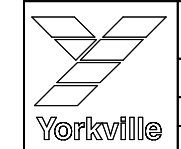
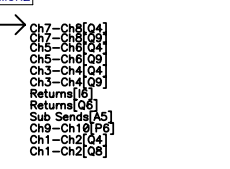
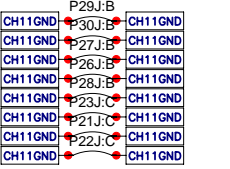
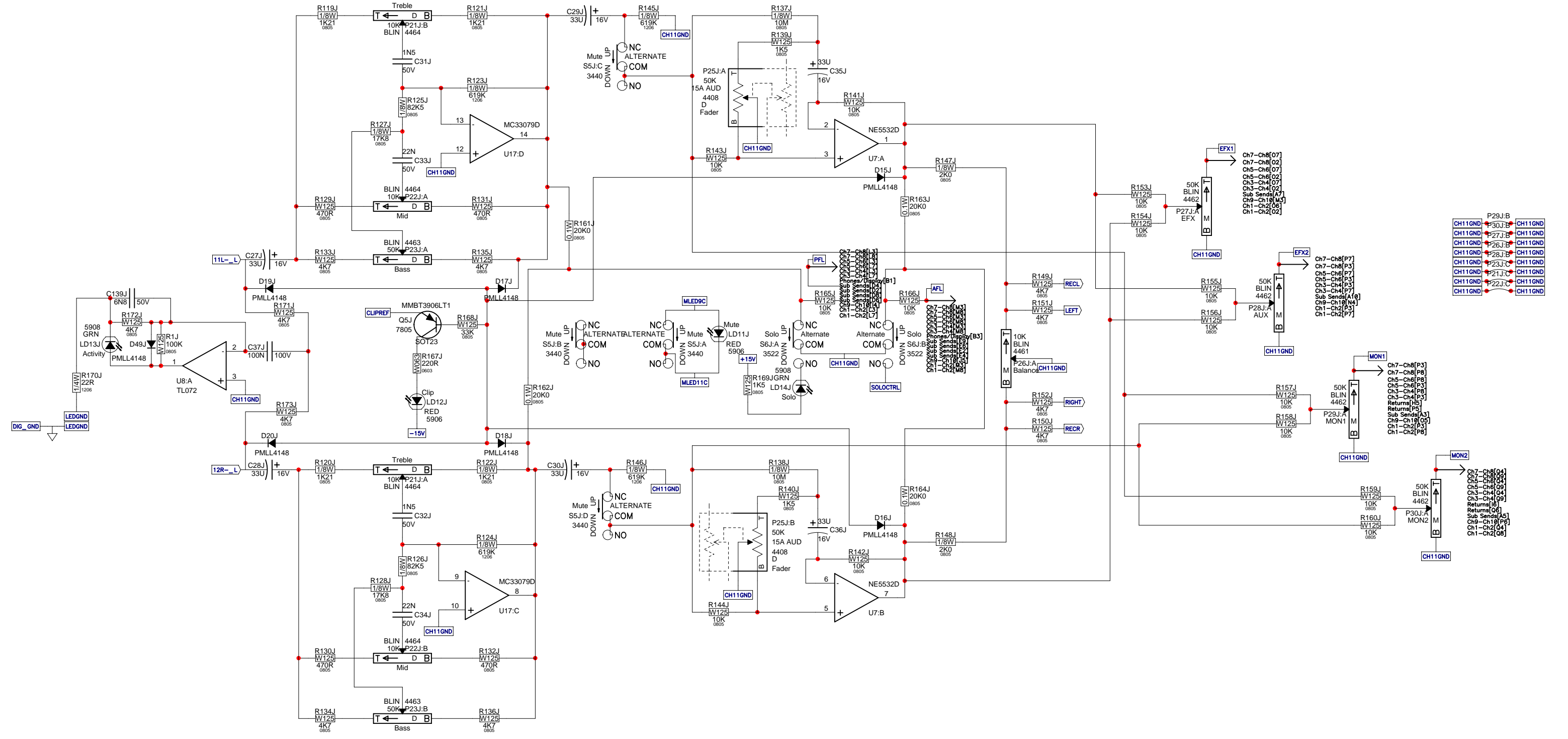


"STYLE_P34" "STYLE_P32"

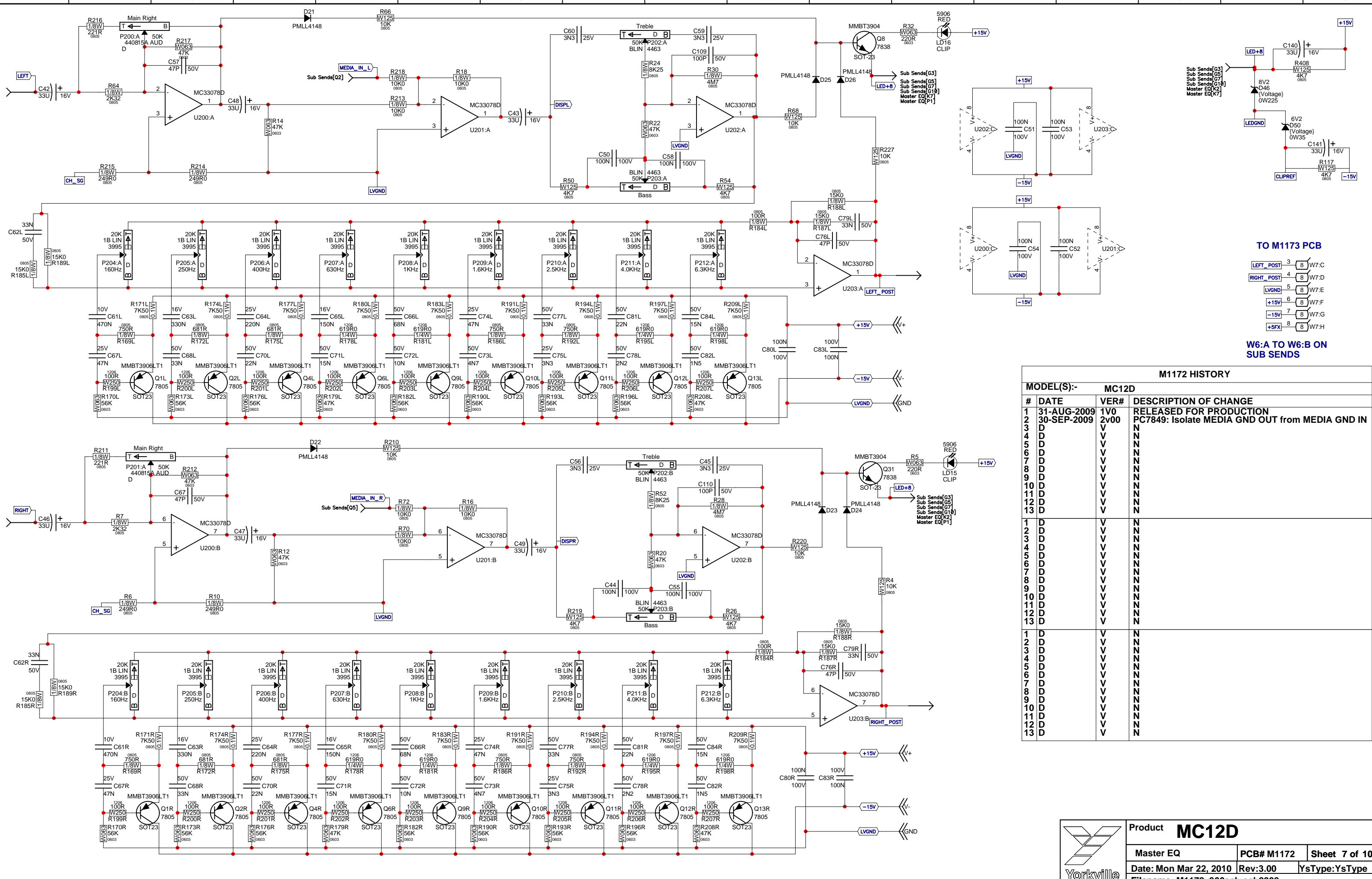
TO M1173 PCB



W3:A TO W3:C ON CH9-10
 W3:G TO W3:H ON SUB SENDS



| | | |
|--------------------------------|------------|---------------|
| Product MC12D | | |
| Ch11-Ch12 | PCB# M1172 | Sheet 6 of 10 |
| Date: Mon Mar 22, 2010 | Rev:3.00 | YsType:YsType |
| Filename: M1172v300sch.sch2002 | | |

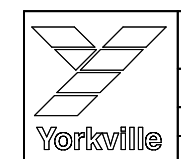


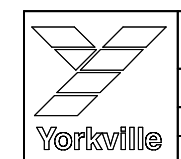
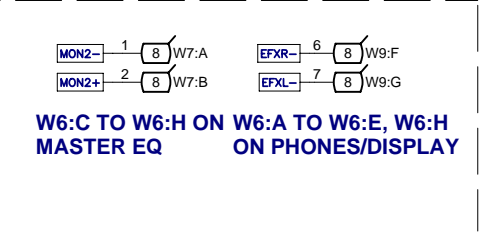
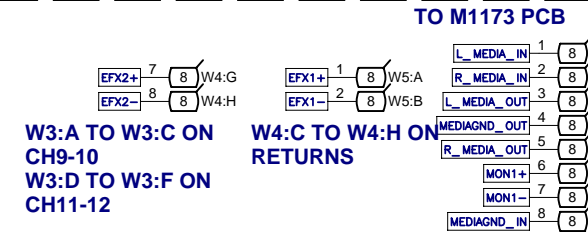
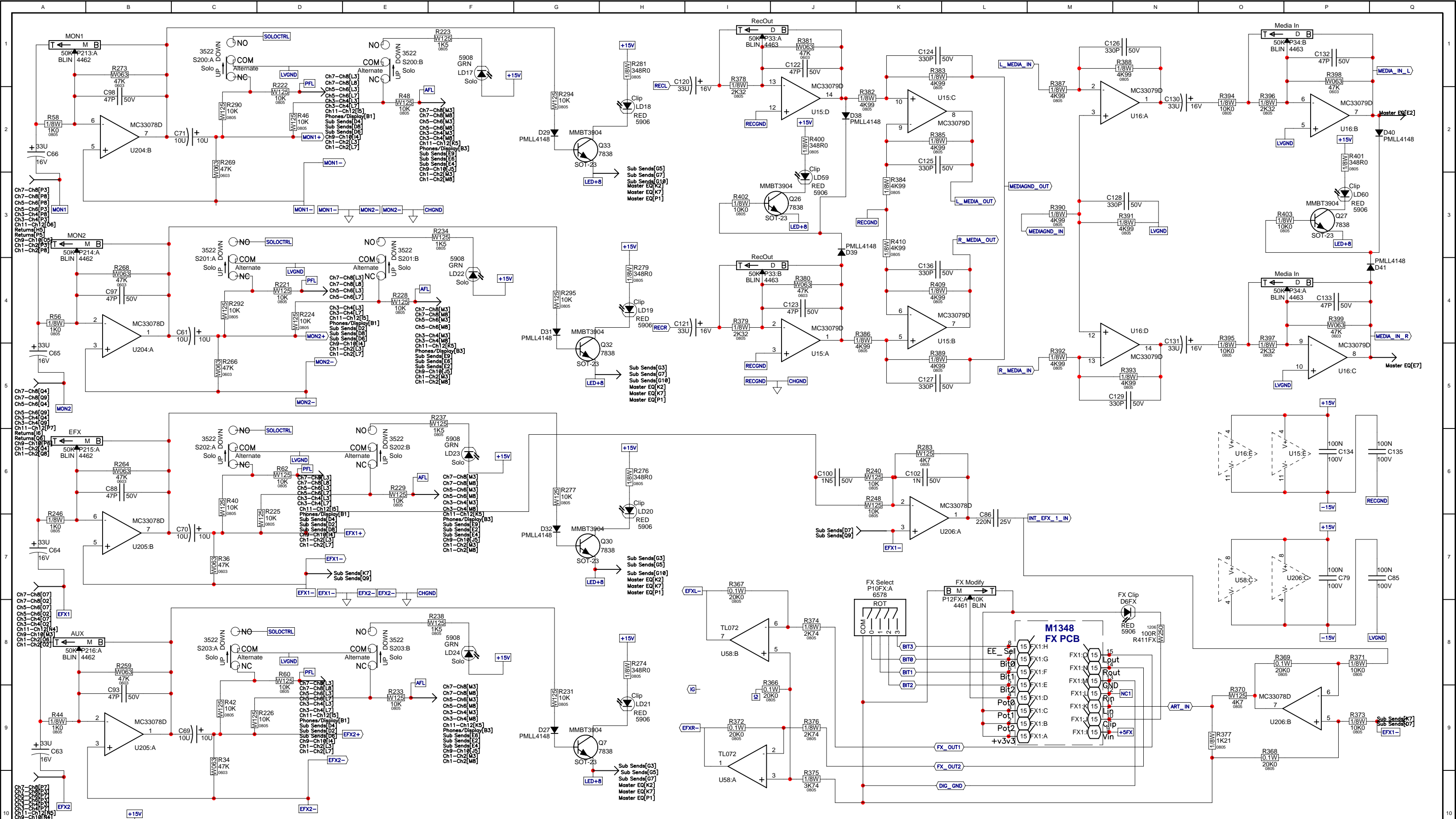
TO M1173 PCB

LEFT_POST 3 8 W7:C
 RIGHT_POST 4 8 W7:D
 LVGND 5 8 W7:E
 +15V 6 8 W7:F
 -15V 7 8 W7:G
 +5FX 8 8 W7:H

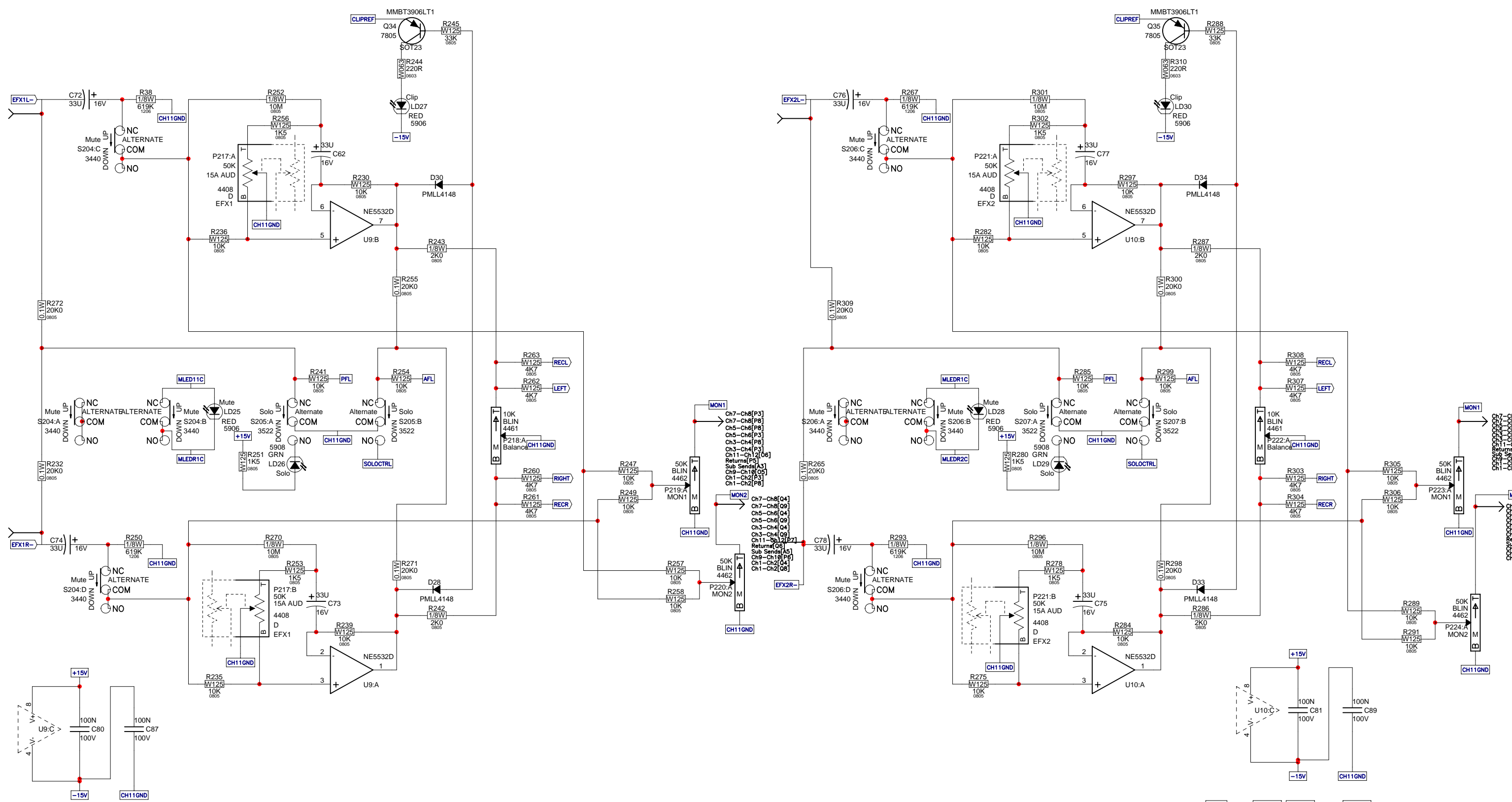
W6:A TO W6:B ON SUB SENDS

| M1172 HISTORY | | | |
|---------------|-------------|-------|---|
| MODEL(S):- | | MC12D | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | 31-AUG-2009 | 1V0 | RELEASED FOR PRODUCTION |
| 2 | 30-SEP-2009 | 2v00 | PC7849: Isolate MEDIA GND OUT from MEDIA GND IN |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |



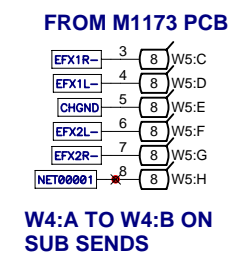


| | | |
|--------------------------------|------------|---------------|
| Product MC12D | | |
| Sub Sends | PCB# M1172 | Sheet 8 of 10 |
| Date: Mon Mar 22, 2010 | Rev:3.00 | YsType:YsType |
| Filename: M1172v300sch.sch2002 | | |



| M1172 POT LIST | | | | | M1172 POT LIST CONT'D | | | | |
|------------------------|------------------|-------|-----|-------|-----------------------|-----------------|-------|-----|-------|
| MODEL(S):- MC12D | | | | | MODEL(S):- (MODEL) | | | | |
| REF | FUNCTION | PART# | NOB | {NEW} | REF | FUNCTION | PART# | NOB | {NEW} |
| P1A-P1H | TREBLE (MONO) | 4461 | K | N | P220, P224 | MON2 (RETURNS) | 4462 | K | N |
| P5A-P5H | MID (MONO) | 4461 | K | N | P213, P214 | MON1&2 (SENDS) | 4462 | K | N |
| P11A-P11H | PAN (MONO) | 4461 | K | N | P215, P216 | EFX1,2 (SENDS) | 4462 | K | N |
| P26I, P26J, P26K, P26L | FX SELECT | 4461 | K | N | P2 | ZONE/SUB | 4462 | K | N |
| P12FX | FX MODIFY | 4461 | K | N | P14 | PHONES | 4464 | K | N |
| P3A-P3H | BASS (MONO) | 4461 | K | N | P211, P21J | TREBLE (STEREO) | 4464 | K | N |
| P7A-P7H | FREQUENCY (MONO) | 4466 | K | N | P221, P22J | MID (STEREO) | 4464 | K | N |
| P17A-P17J | MON1 | 4462 | K | N | P231, P23J | BASS (STEREO) | 4463 | K | N |
| P19A-P19J | MON2 | 4462 | K | N | P34 | MEDIA IN | 4463 | K | N |
| P13A-P13J | EFX1 | 4462 | K | N | P33 | REC OUT | 4463 | K | N |
| P15A-P15J | EFX2 | 4462 | K | N | P202 | TREBLE MAIN EQ | 4463 | K | N |
| P219, P223 | MON1 (RETURNS) | 4462 | K | N | P203 | BASS MAIN EQ | 4463 | K | N |

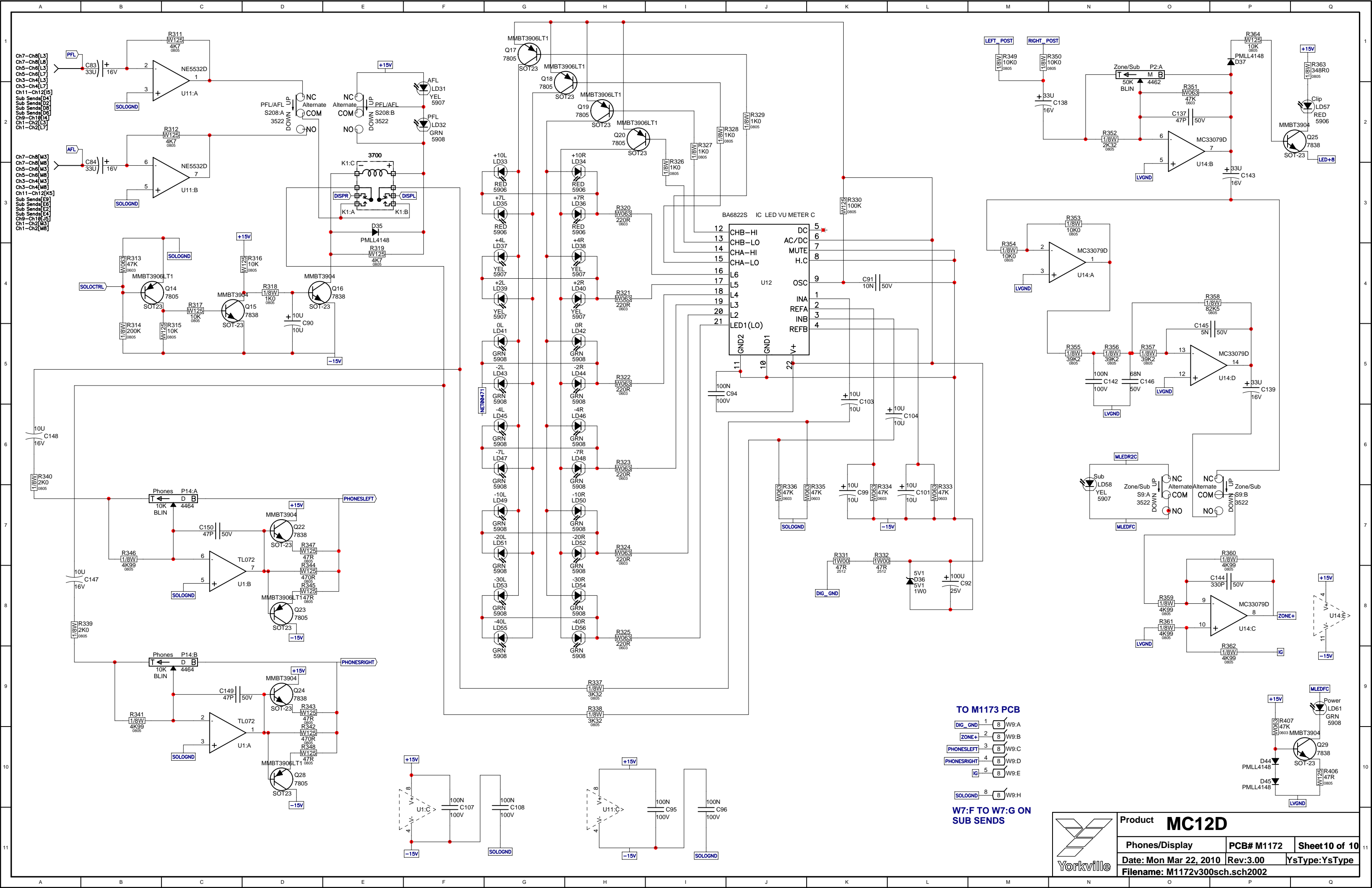
| REF | FUNCTION | PART# | NOB | {NEW} | REF | FUNCTION | PART# | NOB | {NEW} |
|------------|-------------------|-------|-----|-------|-----|----------|-------|-----|-------|
| P204-P212 | GRAPHIC EQ FADERS | 4465 | K | N | R | F | P | K | N |
| P9A-P9H | MONO CH FADERS | 4415 | K | N | R | F | P | K | N |
| P25I, P25J | STEREO CH FADERS | 4408 | K | N | R | F | P | K | N |
| P217, P221 | EFX1, EFX2 FADERS | 4408 | K | N | R | F | P | K | N |
| P200 | MAIN LEFT FADER | 4408 | K | N | R | F | P | K | N |
| P201 | MAIN RIGHT FADER | 4408 | K | N | R | F | P | K | N |
| P10FX | FX SELECT | 6578 | K | N | R | F | P | K | N |



Yorkville

Product **MC12D**

| | | |
|--------------------------------|------------|---------------|
| Returns | PCB# M1172 | Sheet 9 of 10 |
| Date: Mon Mar 22, 2010 | Rev:3.00 | YsType:YsType |
| Filename: M1172v300sch.sch2002 | | |



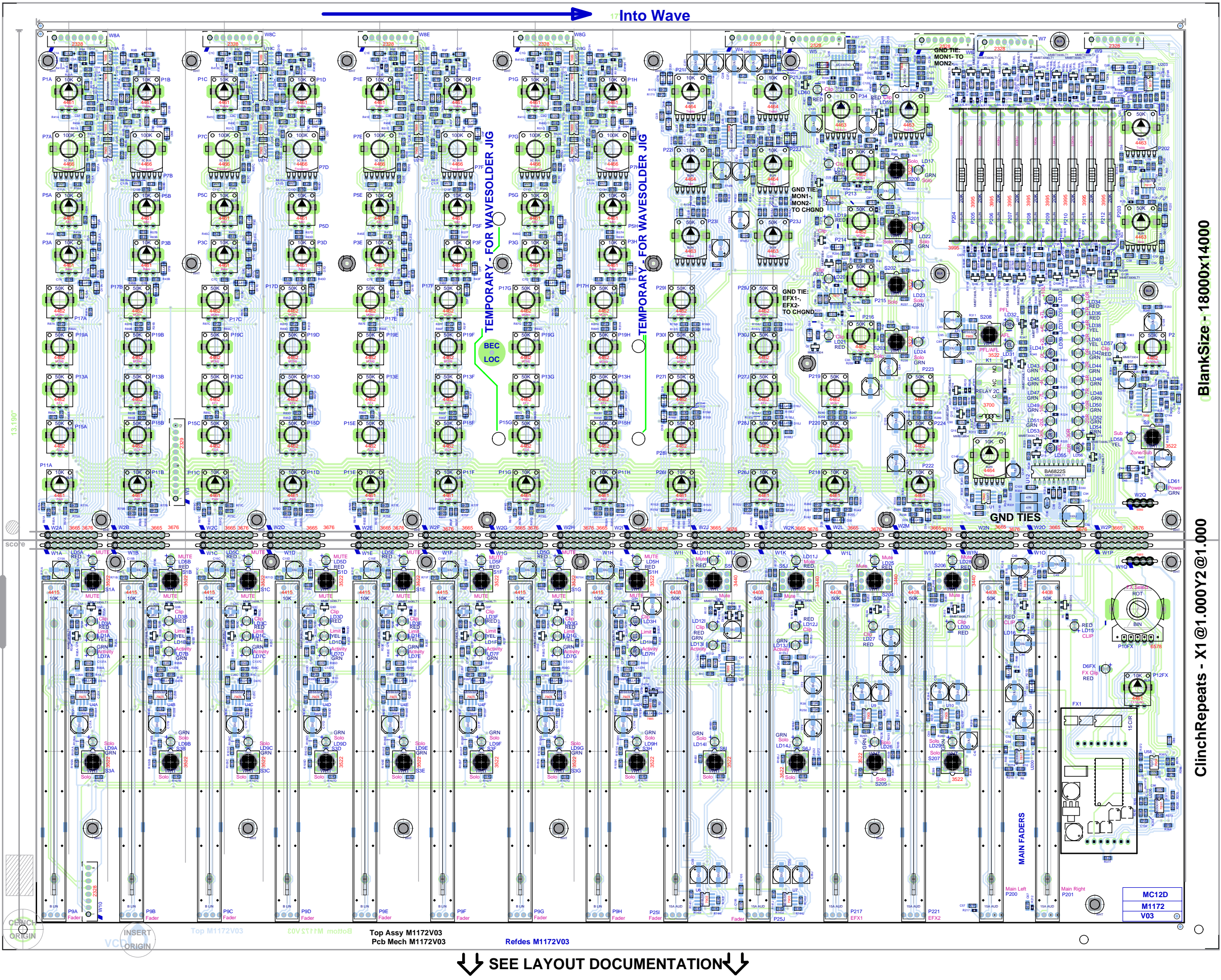
TO M1173 PCB

- DIG_GND 1 (8) W9:A
- ZONE+ 2 (8) W9:B
- PHONESLEFT 3 (8) W9:C
- PHONESRIGHT 4 (8) W9:D
- IG 5 (8) W9:E
- SOLOGND 8 (8) W9:H

W7:F TO W7:G ON SUB SENDS



| | | |
|--------------------------------|------------|----------------|
| Product MC12D | | |
| Phones/Display | PCB# M1172 | Sheet 10 of 10 |
| Date: Mon Mar 22, 2010 | Rev:3.00 | YsType:YsType |
| Filename: M1172v300sch.sch2002 | | |



BlankSize - 18000x14000

ClinchRepeats - X1@1.000Y2@1.000

13.190"

score



Top M1172V03

80VST1M mottoB

Top Assy M1172V03
Pcb Mech M1172V03

Refdes M1172V03

MC12D
M1172
V03

SEE LAYOUT DOCUMENTATION

↑ SEE LAYOUT DIAGRAM ↑

| M1172 HISTORY | | | |
|---------------|-------------|-------|---|
| MODEL(S):- | | MC12D | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | 31-AUG-2009 | 1V0 | RELEASED FOR PRODUCTION |
| 2 | 30-SEP-2009 | 2V00 | PC7849: Isolate MEDIA GND OUT from MEDIA GND IN |
| 3 | 18-MAR-2010 | V03 | PC7976: Change pads on stereo pots to round GG |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |

| M1172 DRILL HISTORY | | | |
|---------------------|------|-------|-----------------------|
| MODEL(S):- | | MC12D | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |

| M1172 PENDING CHANGES | | |
|-----------------------|-----|----------------|
| MODEL(S):- | | MC12D |
| # | PC# | PENDING CHANGE |
| 1 | PC | X |
| 2 | PC | X |
| 3 | PC | X |
| 4 | PC | X |
| 5 | PC | X |
| 6 | PC | X |

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

| M1172 POT LIST | | | | |
|--|------------------|-------|------|-------|
| MODEL(S):- | | MC12D | | |
| REF | FUNCTION | PART# | KNOB | {NEW} |
| P1A-P1H | TREBLE (MONO) | 4461 | K | N |
| P5A-P5H | MID (MONO) | 4461 | K | N |
| P11A-P11H | PAN (MONO) | 4461 | K | N |
| P26J,P26K,P26L,P26M,P26N,P26O,P26P,P26Q,P26R,P26S,P26T,P26U,P26V,P26W,P26X,P26Y,P26Z | BALANCE | 4461 | K | N |
| P12FX | FX MODIFY | 4461 | K | N |
| P3A-P3H | BASS (MONO) | 4461 | K | N |
| P7A-P7H | FREQUENCY (MONO) | 4466 | K | N |
| P17A-P17J | MON1 | 4462 | K | N |
| P19A-P19J | MON2 | 4462 | K | N |
| P13A-P13J | EFX1 | 4462 | K | N |
| P15A-P15J | EFX2 | 4462 | K | N |
| P219, P223 | MON1 (RETURNS) | 4462 | K | N |

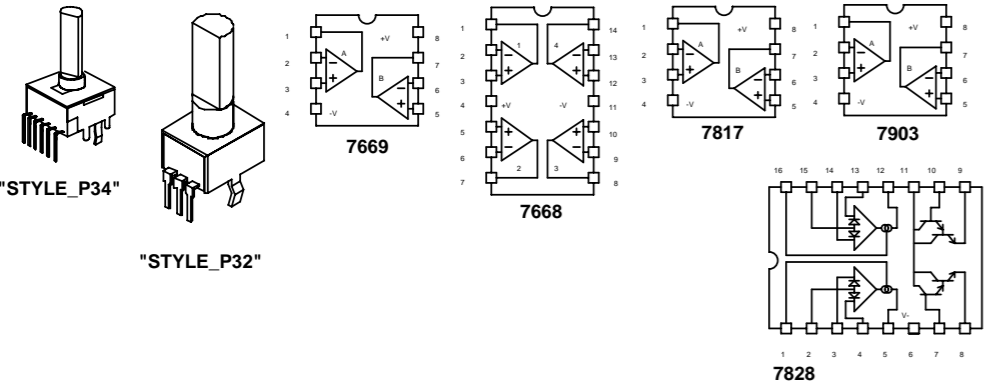
| M1172 POT LIST CONT'D | | | | |
|-----------------------|-----------------|-------|------|-------|
| MODEL(S):- | | MC12D | | |
| REF | FUNCTION | PART# | KNOB | {NEW} |
| P220, P224 | MON2 (RETURNS) | 4462 | K | N |
| P213, 214 | MON1&2 (SENDS) | 4462 | K | N |
| P215, P216 | EFX1,2 (SENDS) | 4462 | K | N |
| P2 | ZONE/SUB | 4462 | K | N |
| P14 | PHONES | 4464 | K | N |
| P211, P21J | TREBLE (STEREO) | 4464 | K | N |
| P221, P22J | MID (STEREO) | 4464 | K | N |
| P231, P23J | BASS (STEREO) | 4463 | K | N |
| P34 | MEDIA IN | 4463 | K | N |
| P33 | REC OUT | 4463 | K | N |
| P202 | TREBLE MAIN EQ | 4463 | K | N |
| P203 | BASS MAIN EQ | 4463 | K | N |

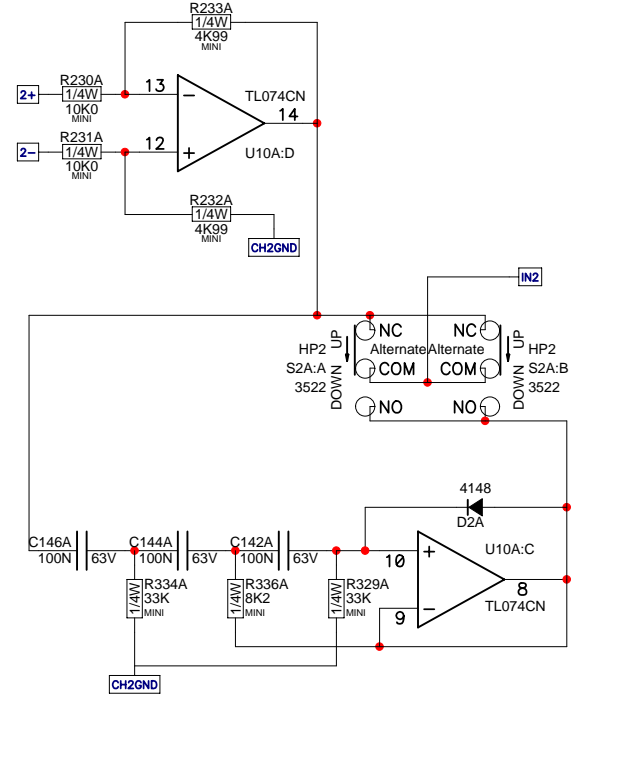
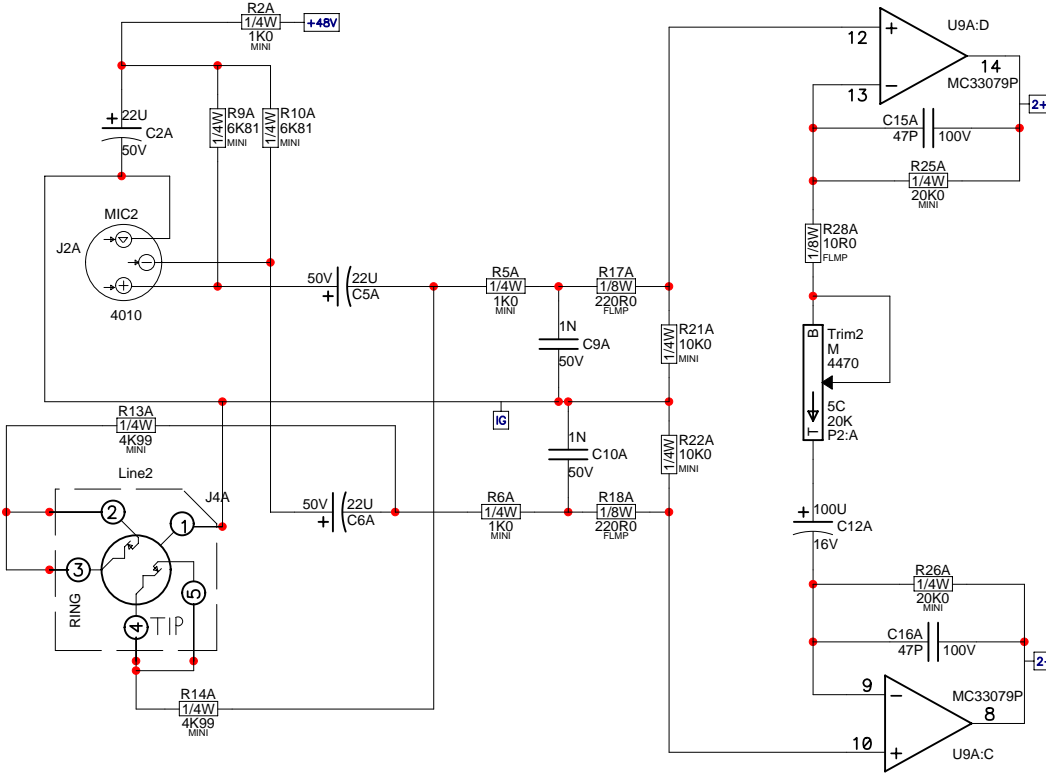
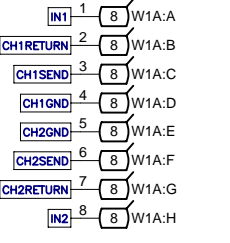
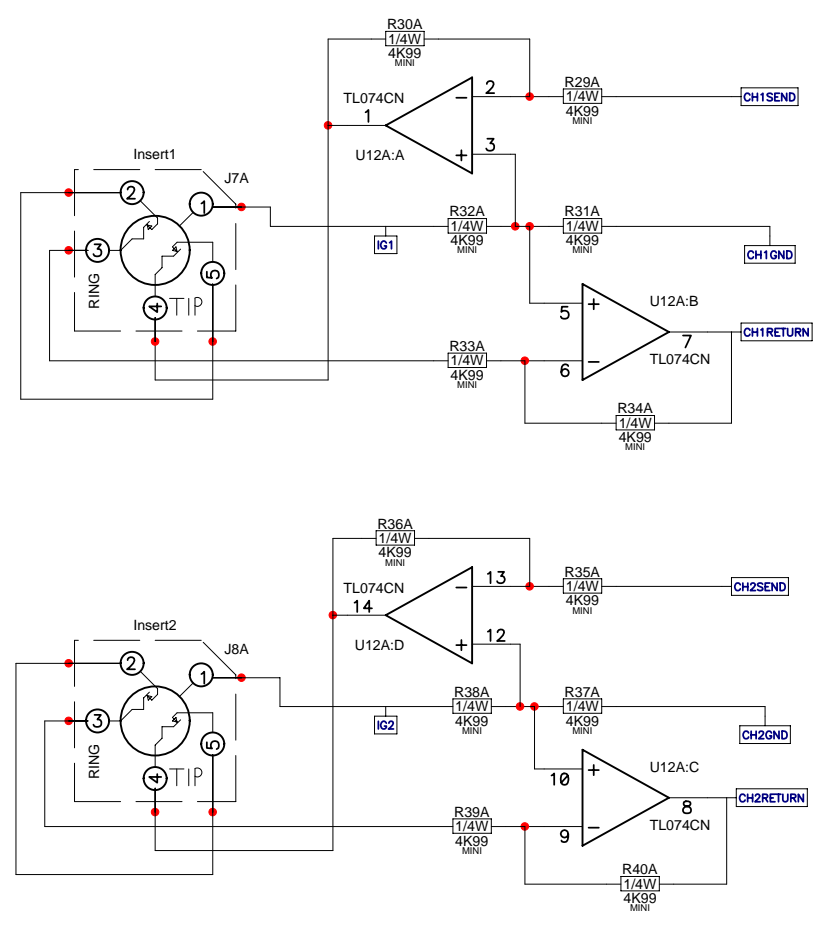
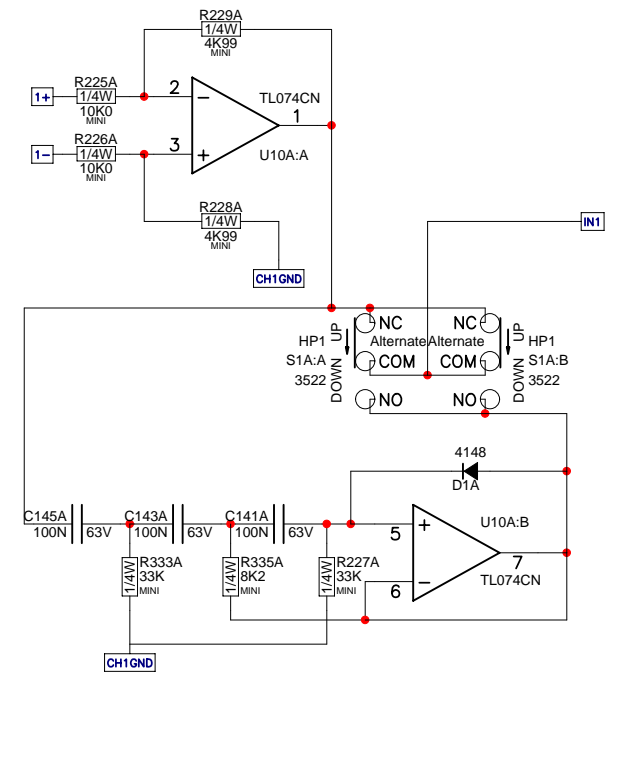
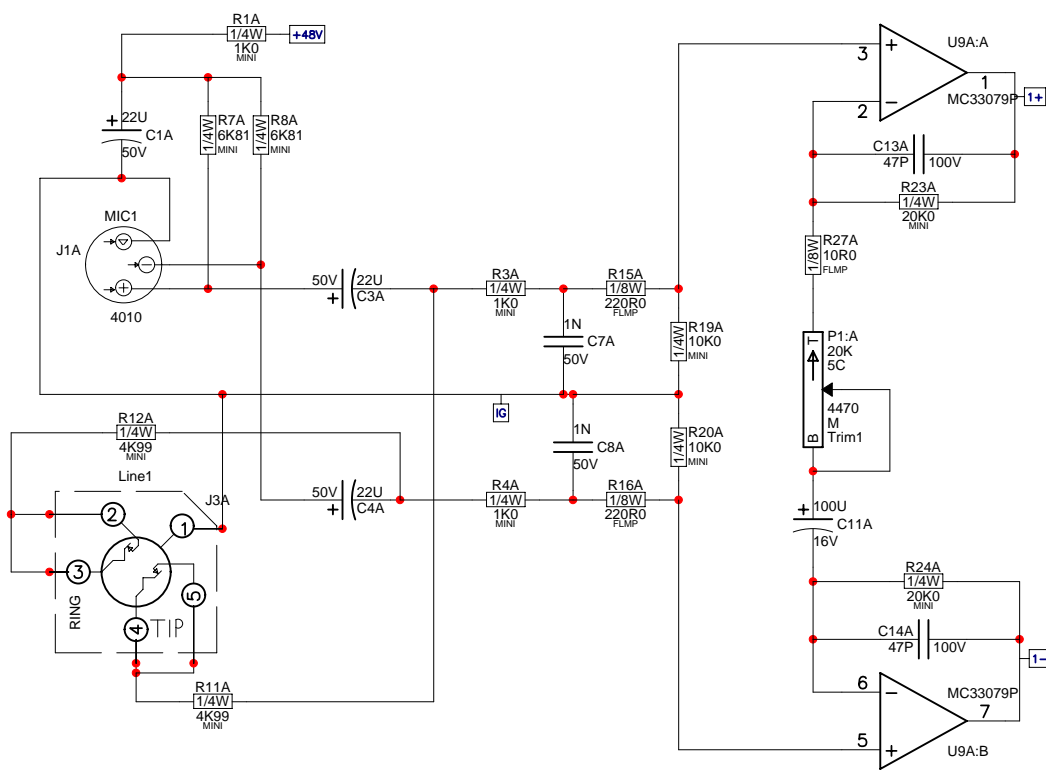
| | | | | |
|------------|-------------------|------|---|---|
| P204-P212 | GRAPHIC EQ FADERS | 3995 | K | N |
| P9A-P9H | MONO CH FADERS | 4415 | K | N |
| P251, P25J | STEREO CH FADERS | 4408 | K | N |
| P217, P221 | EFX1, EFX2 FADERS | 4408 | K | N |
| P200 | MAIN LEFT FADER | 4408 | K | N |
| P201 | MAIN RIGHT FADER | 4408 | K | N |
| P10FX | FX SELECT | 6578 | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |

M1172 PRODUCTION NOTES

1. MC12D: DO NOT STUFF W3 #2329 AND W10 #2328 HEADERS

LEAD/PIN REFERENCE





EC35

M1173 Pot List

| MODEL(S):- | AP14 | FUNCTION | PART# | KNOB | {NEW} |
|------------|----------------|----------|-------|------|-------|
| P1 | Trim1 | 4470 | K | N | |
| P2 | Trim2 | 4470 | K | N | |
| P3 | Trim3 | 4470 | K | N | |
| P4 | Trim4 | 4470 | K | N | |
| P5 | Trim5 | 4470 | K | N | |
| P6 | Trim6 | 4470 | K | N | |
| P7 | Trim7 | 4470 | K | N | |
| P8 | Trim8 | 4470 | K | N | |
| P9 | Gain9/10 | 4465 | K | N | |
| P10 | RCA Level9/10 | 4465 | K | N | |
| P11 | Gain11/12 | 4465 | K | N | |
| P12 | RCA Level11/12 | 4465 | K | N | |
| P13 | Phones | 4465 | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |
| R | F | P | K | N | |

M1173 Database History

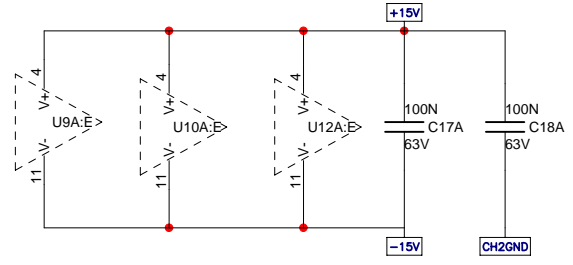
| MODEL(S):- | MC12D | DESCRIPTION OF CHANGE |
|------------|-------------|--|
| 1 | 28-AUG-2009 | 1v00 Released for production |
| 2 | . | . |
| 3 | . | . |
| 4 | 25-SEP-2009 | 1v00 PC7877: permanently substitute YS#2328 with YS#2344 |
| 5 | 28-SEP-2009 | 2v00 PC7846: Add R1 and R2 #4852 |
| 6 | 30-SEP-2009 | 2v00 PC7848 / PC7848: connect RCA input jacks GND to IG |
| 7 | 05-AUG-2010 | V03 PC8124: Replace caps #5260 with #5631 GG |
| 8 | D | V |
| 9 | D | V |
| 10 | D | V |
| 11 | D | V |
| 12 | D | V |
| 13 | D | V |
| 1 | D | V |
| 2 | D | V |
| 3 | D | V |
| 4 | D | V |
| 5 | D | V |
| 6 | D | V |
| 7 | D | V |
| 8 | D | V |
| 9 | D | V |
| 10 | D | V |
| 11 | D | V |
| 12 | D | V |
| 13 | D | V |

M1173 Drilling History

| MODEL(S):- | MC12D | DESCRIPTION OF CHANGE |
|------------|-------|-----------------------|
| 1 | D | V |
| 2 | D | V |
| 3 | D | V |
| 4 | D | V |
| 5 | D | V |
| 6 | D | V |

M1173 Pending Changes

| MODEL(S):- | MC12D | PENDING CHANGE |
|------------|-------|----------------|
| 1 | PC | X |
| 2 | PC | X |
| 3 | PC | X |
| 4 | PC | X |
| 5 | PC | X |
| 6 | PC | X |



*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

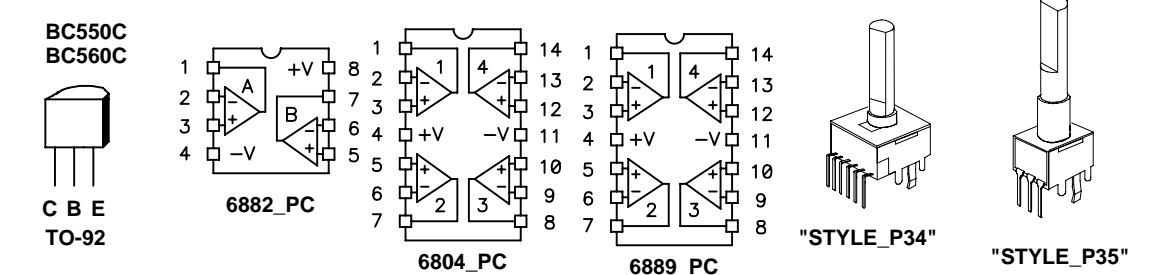
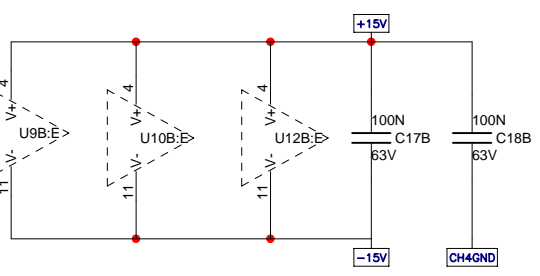
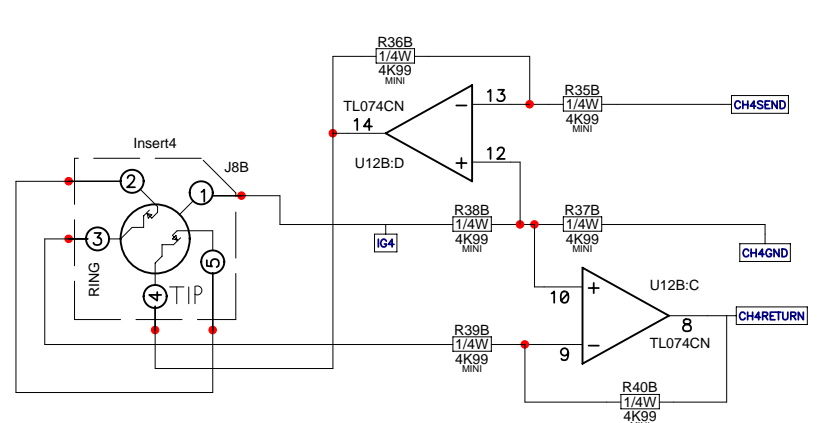
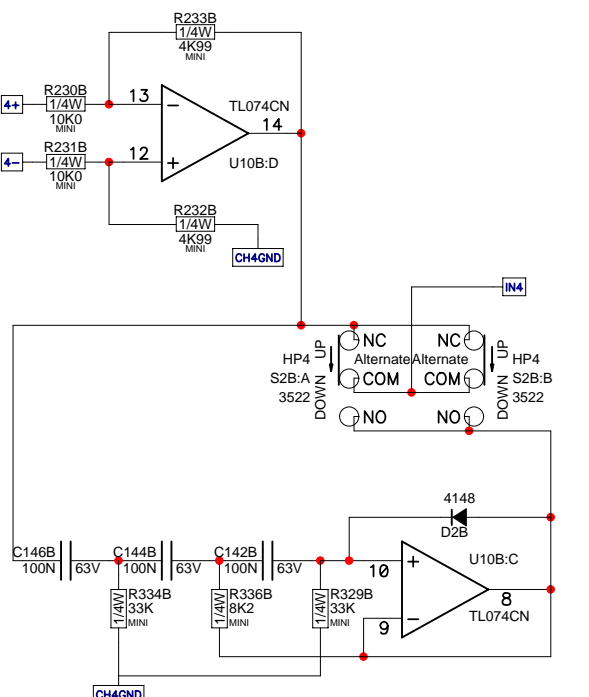
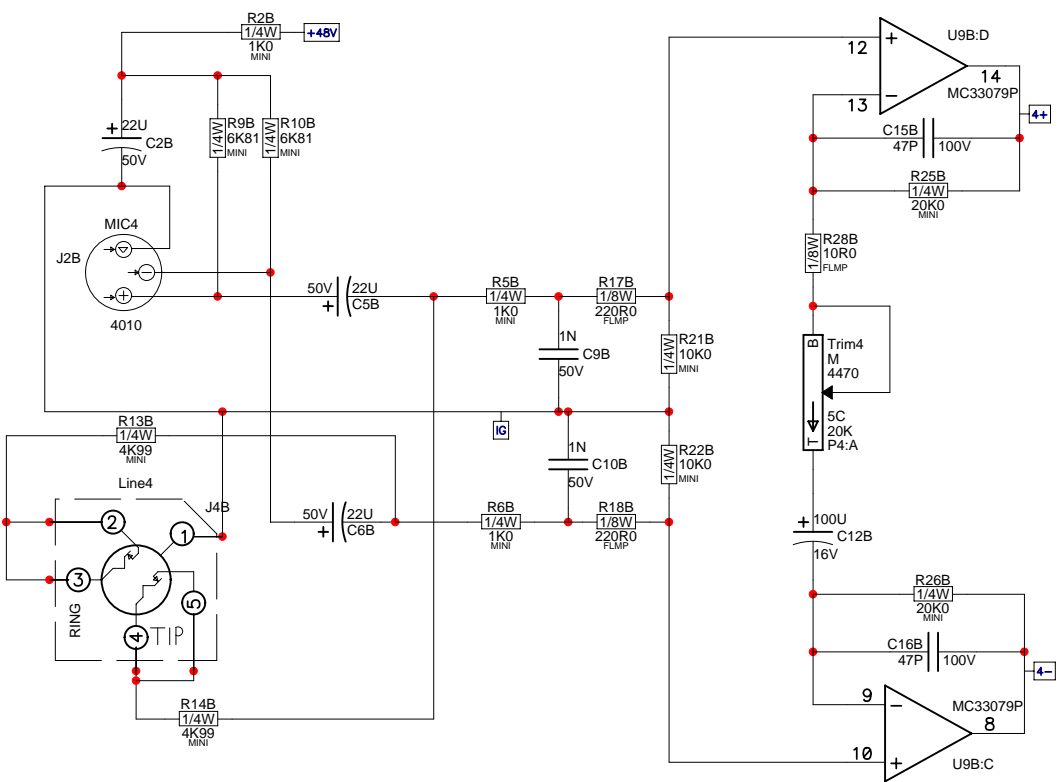
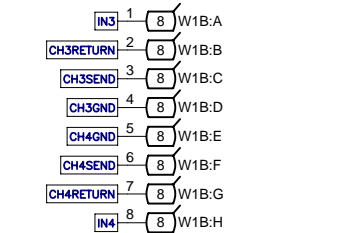
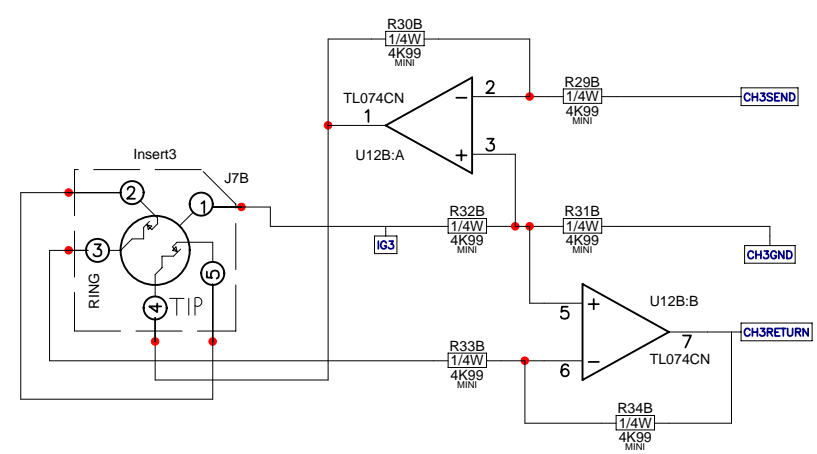
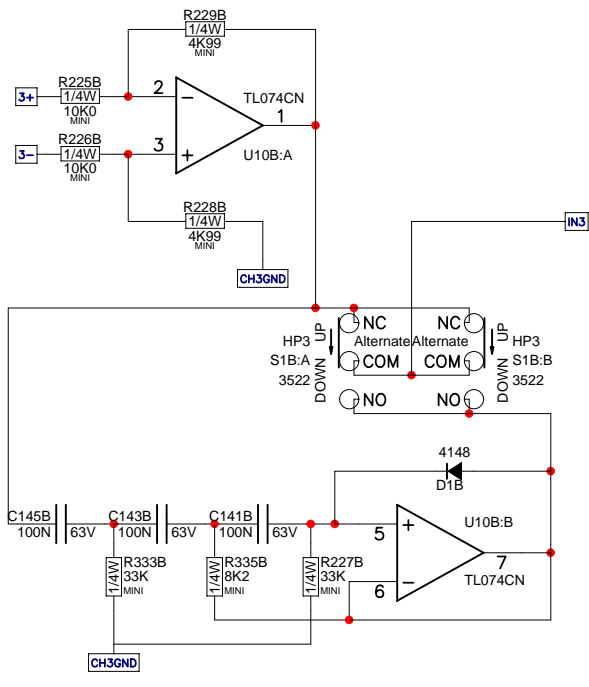
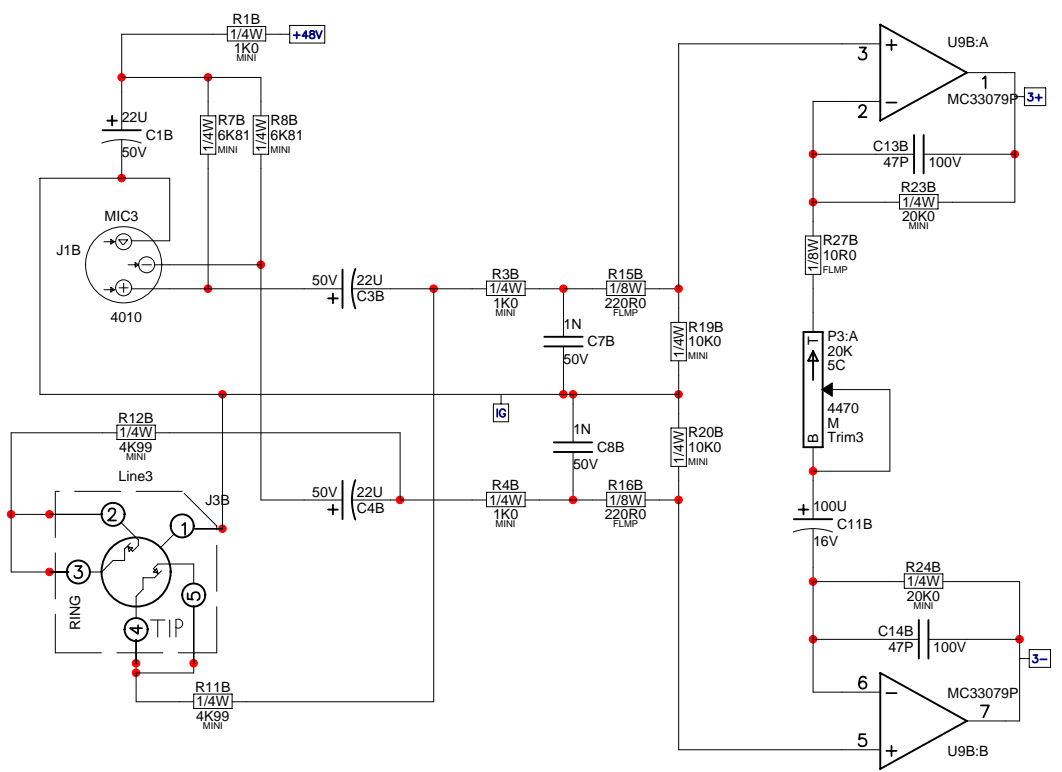


Product MC12D

Input CH1/CH2 PCB# M1173 Sheet 1 of 7

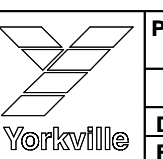
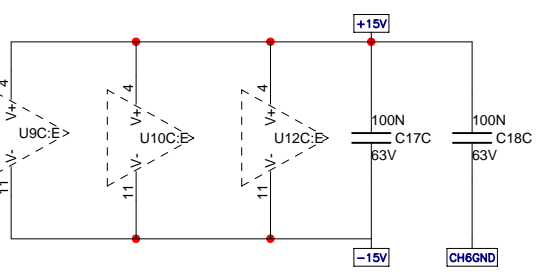
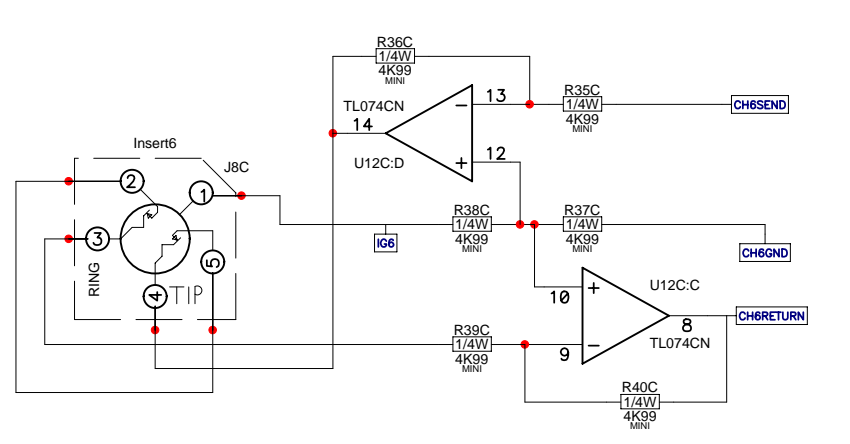
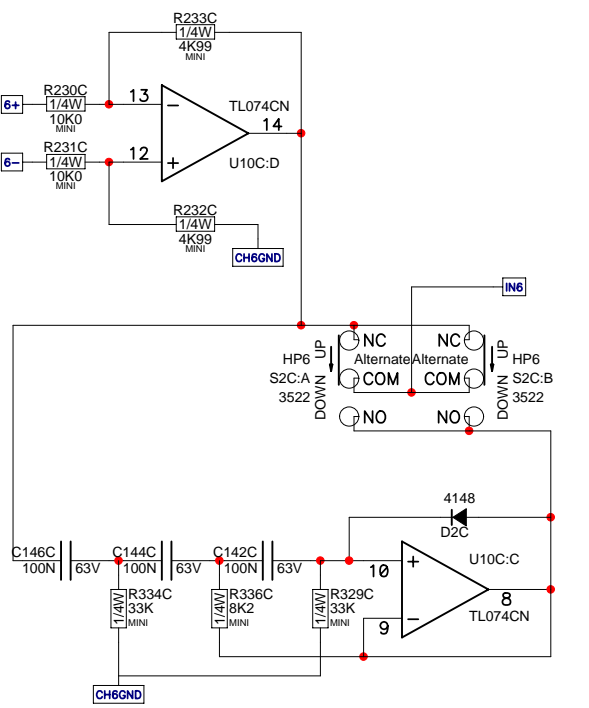
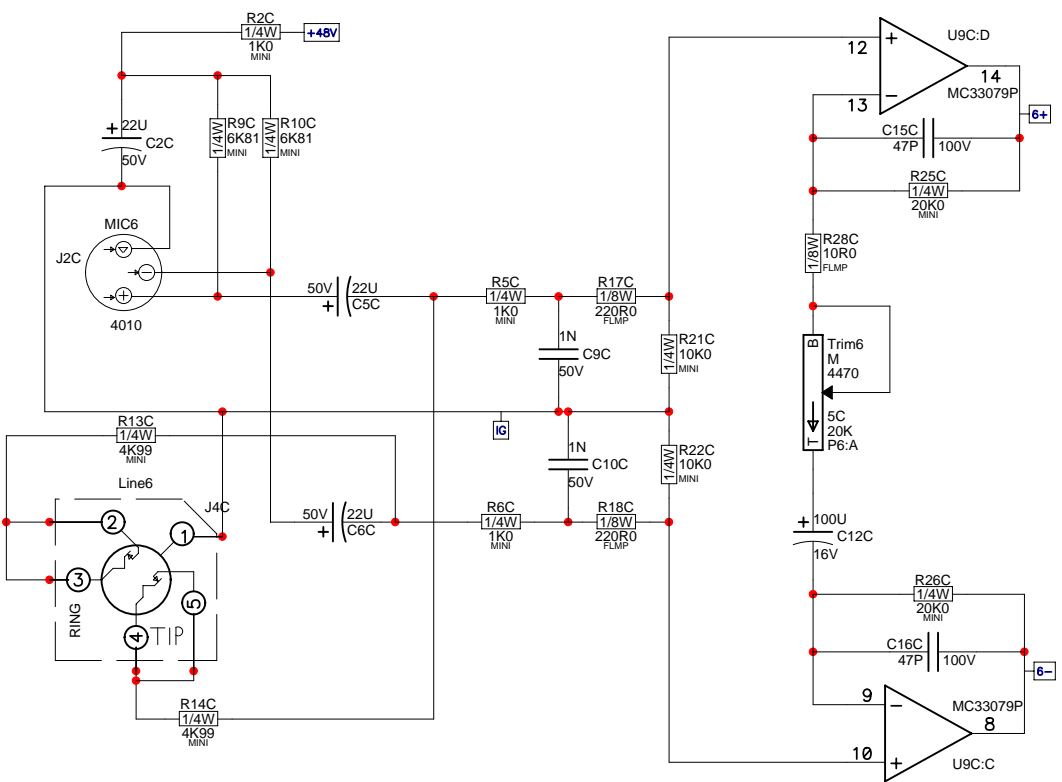
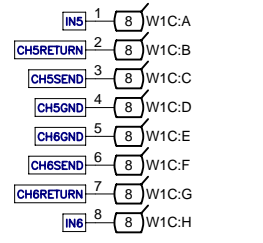
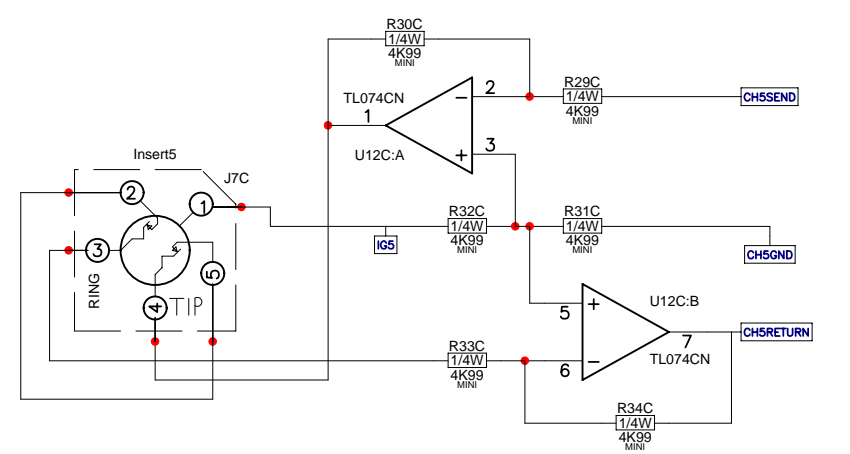
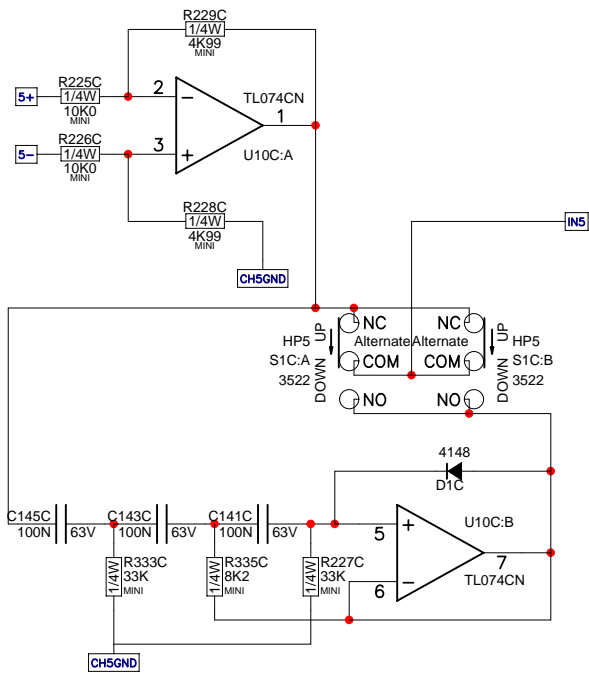
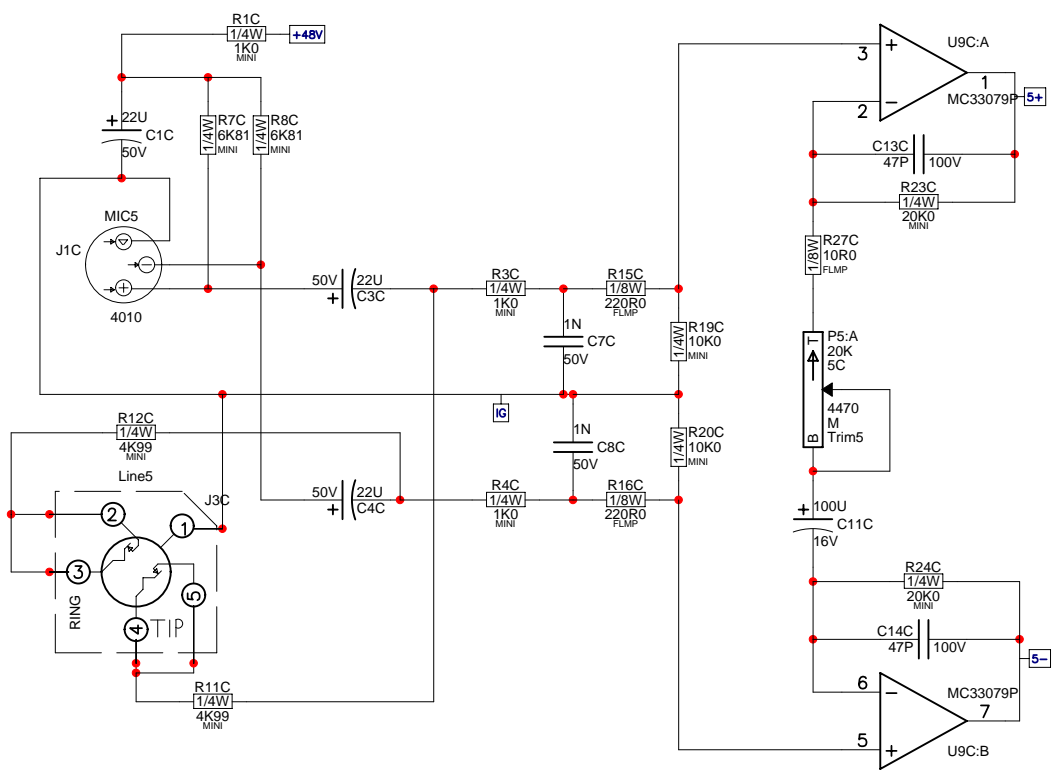
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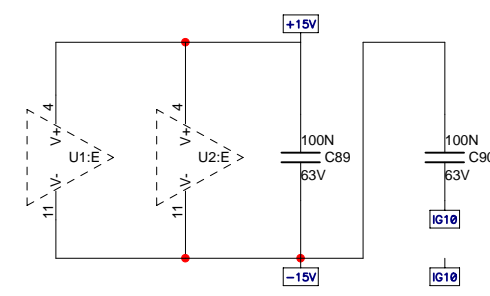
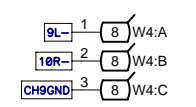
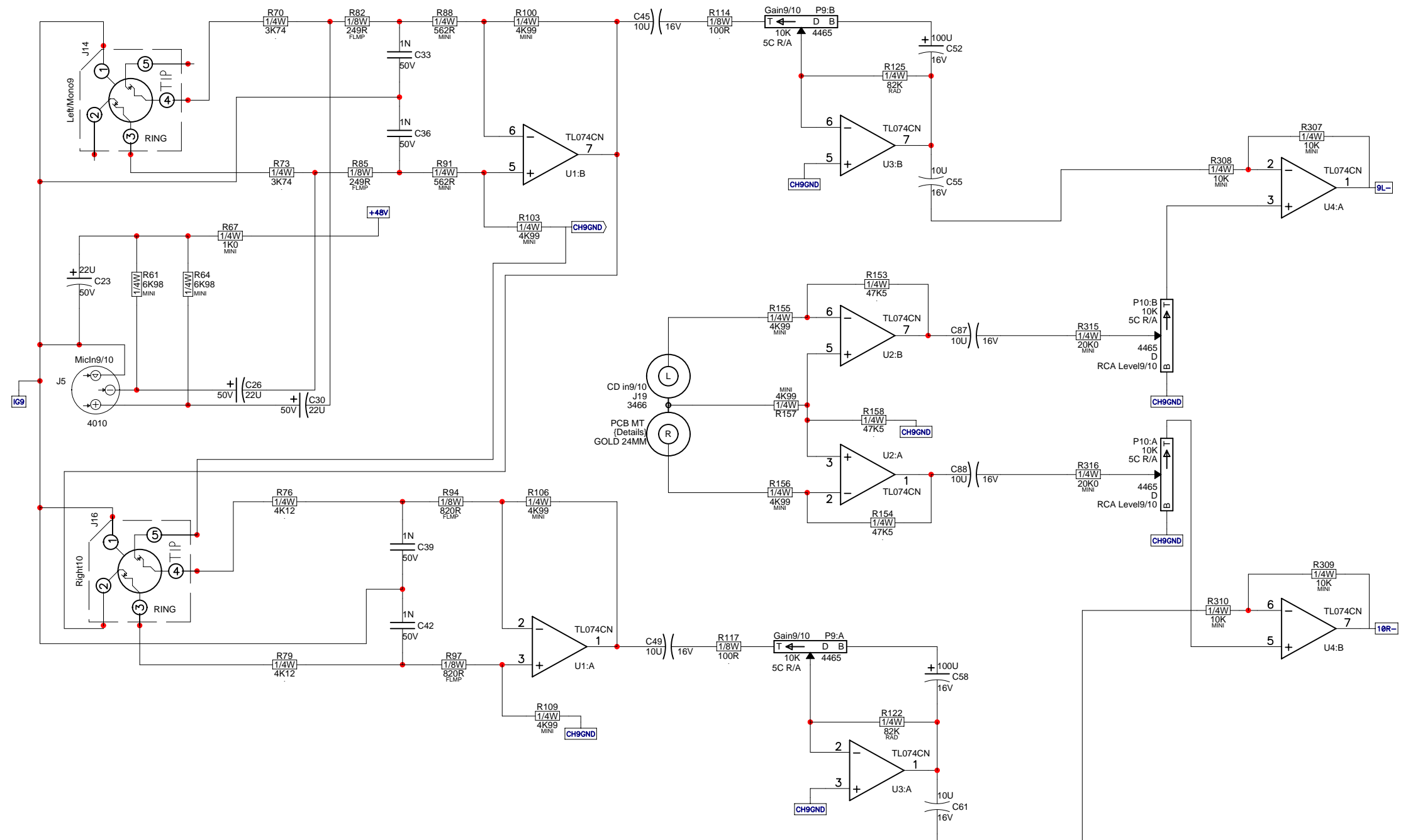
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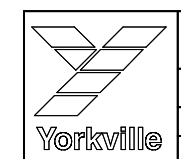
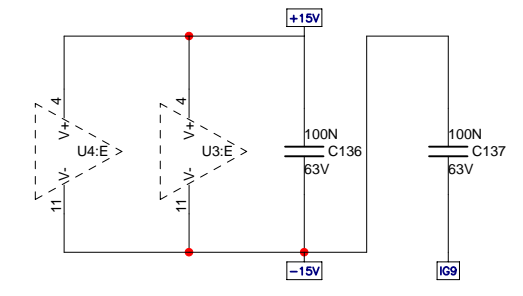
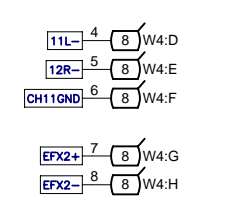
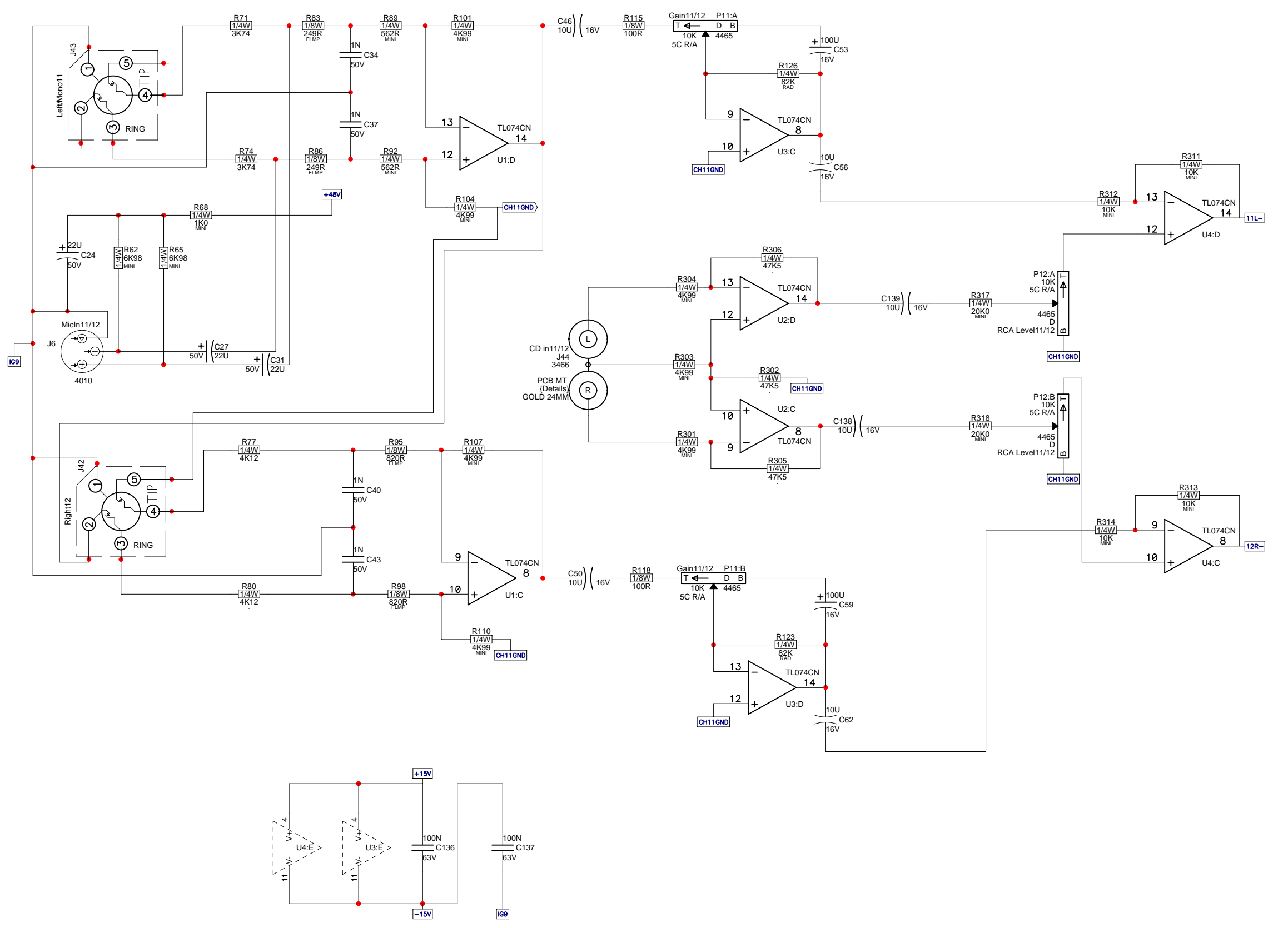


Product MC12D

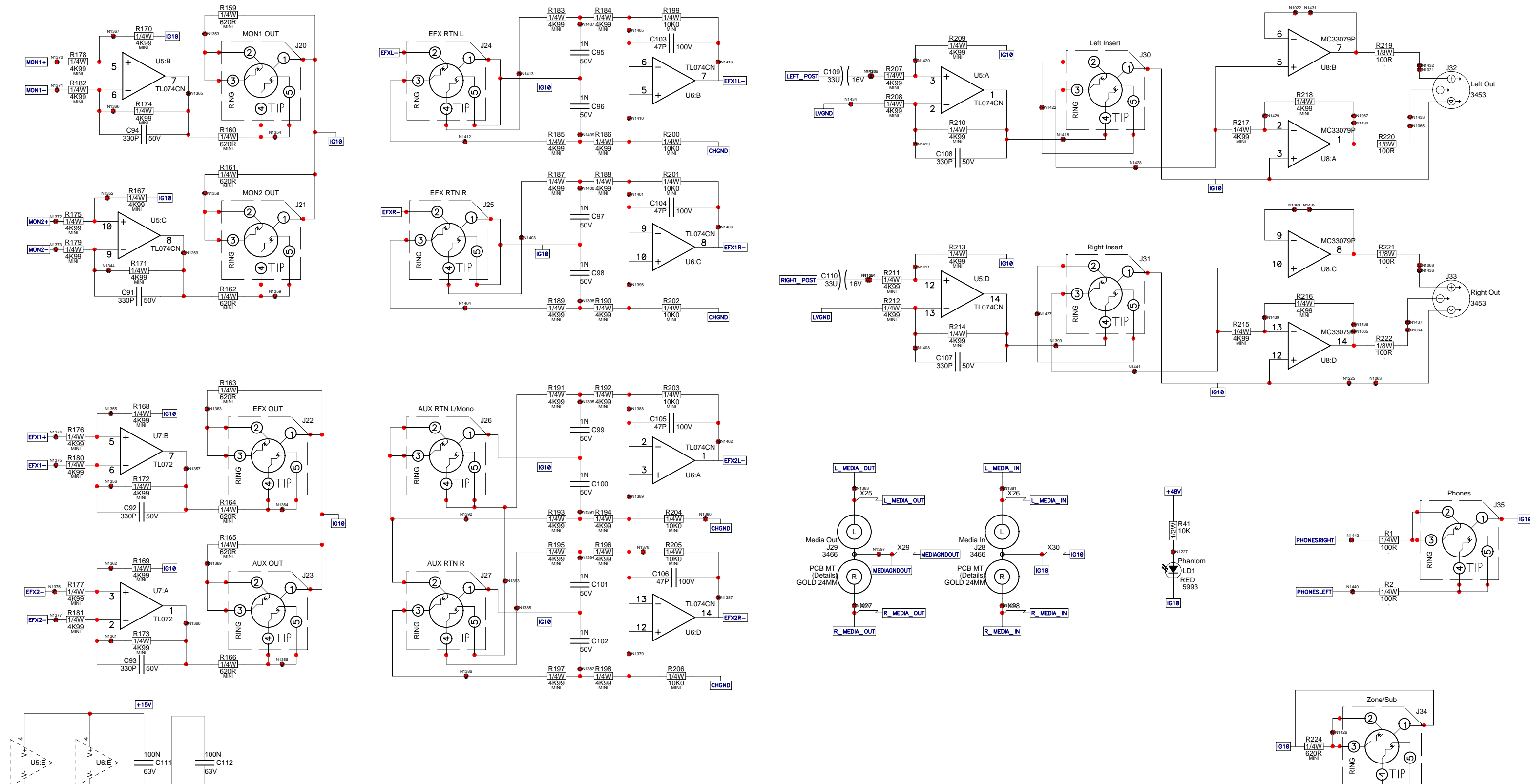
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|-------------------------------|------------|----------------|
| Input CH3/CH4 | PCB# M1173 | Sheet 2 of 7 |
| Date: Fri Aug 06, 2010 | Rev: V03 | YsType: YsType |
| Filename: M1173V03sch.sch2002 | | |







| | | |
|-------------------------------|------------|---------------|
| Product MC12D | | |
| St Inputs/11/12 | PCB# M1173 | Sheet 6 of 7 |
| Date: Fri Aug 06, 2010 | Rev:V03 | YsType:YsType |
| Filename: M1173V03sch.sch2002 | | |

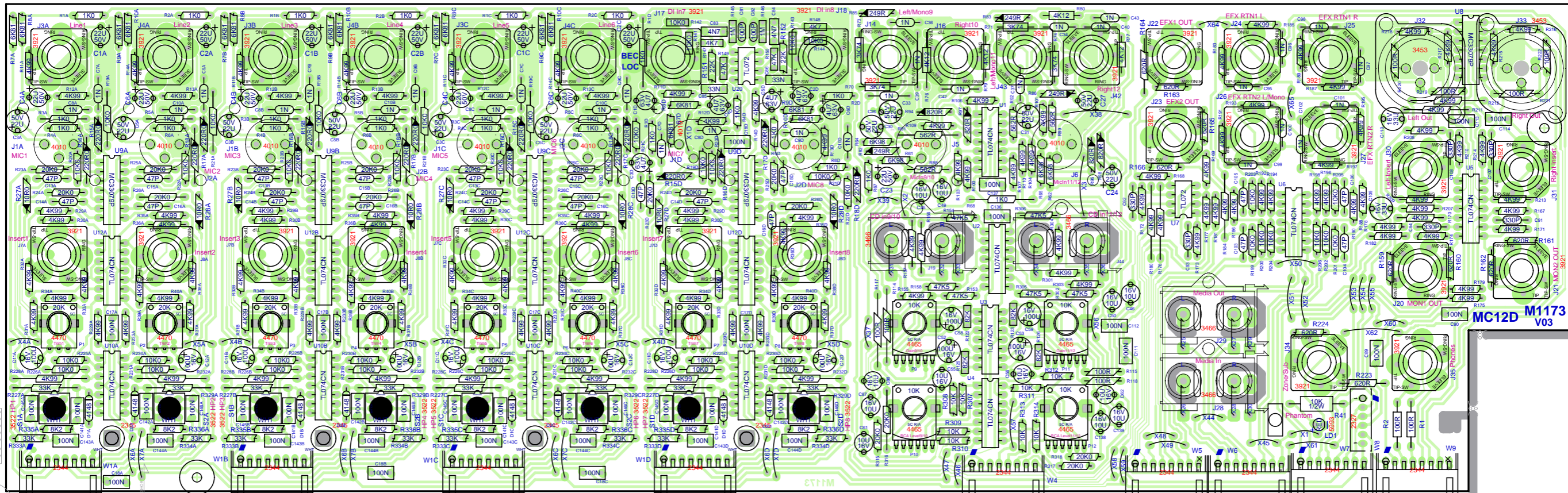


| | | | | | | | | | | | | | | | | | | | |
|----------|---|---|------|-------------|---|---|------|------------|---|---|------|---------|---|---|------|-------------|---|---|------|
| EFX1+ | 1 | 8 | W5:A | L_MEDIA_IN | 1 | 8 | W6:A | MON2- | 1 | 8 | W7:A | +48V | 1 | 6 | W8:A | DGND | 1 | 8 | W9:A |
| EFX1- | 2 | 8 | W5:B | R_MEDIA_IN | 2 | 8 | W6:B | MON2+ | 2 | 8 | W7:B | LVGND | 2 | 6 | W8:B | ZONE+ | 2 | 8 | W9:B |
| EFX1R- | 3 | 8 | W5:C | L_MEDIA_OUT | 3 | 8 | W6:C | LEFT_POST | 3 | 8 | W7:C | +15V | 3 | 6 | W8:C | PHONESLEFT | 3 | 8 | W9:C |
| EFX1L- | 4 | 8 | W5:D | MEDIAINDOUT | 4 | 8 | W6:D | RIGHT_POST | 4 | 8 | W7:D | -15V | 4 | 6 | W8:D | PHONESRIGHT | 4 | 8 | W9:D |
| CHGND | 5 | 8 | W5:E | R_MEDIA_OUT | 5 | 8 | W6:E | LVGND | 5 | 8 | W7:E | DGND | 5 | 8 | W8:E | IG10 | 5 | 8 | W9:E |
| EFX2L- | 6 | 8 | W5:F | MON1+ | 6 | 8 | W6:F | +15V | 6 | 8 | W7:F | EFXR- | 6 | 8 | W9:F | | | | |
| EFX2R- | 7 | 8 | W5:G | MON1- | 7 | 8 | W6:G | -15V | 7 | 8 | W7:G | EFXL- | 7 | 8 | W9:G | | | | |
| NET00098 | 8 | 8 | W5:H | IG10 | 8 | 8 | W6:H | +5V | 8 | 8 | W7:H | SOLOGND | 8 | 8 | W9:H | | | | |

Product MC12D

| | | |
|--------------------------------------|-------------------|----------------------|
| Outputs | PCB# M1173 | Sheet 7 of 7 |
| Date: Fri Aug 06, 2010 | Rev:V03 | YsType:YsType |
| Filename: M1173V03sch.sch2002 | | |

Yorkville



MC12D M1173 V03

StepAndRepeat - X1@1.000Y2@6.300
ClinchRepeats - X1@1.000Y1@1.000

BlankSize - 18000x12600

SEE LAYOUT DOCUMENTATION

↑ SEE LAYOUT DIAGRAM ↑

M1173 PRODUCTION NOTES

1. WHERE INDICATED, BREAK PANEL IN TWO BEFORE CLINCHING.
2. PCBSA: DO NOT BREAK OUT BOARD BEFORE TESTING.

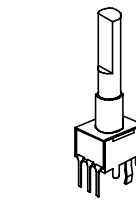
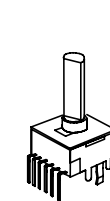
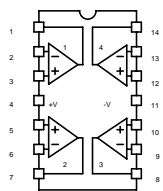
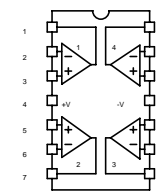
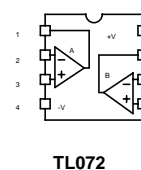
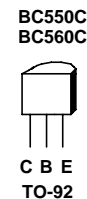
| M1173 Database History | | | |
|------------------------|-------------|------|---|
| MODEL(S):- | MC12D | | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | 28-AUG-2009 | 1v00 | Released for production |
| 2 | . | . | . |
| 3 | . | . | . |
| 4 | 25-SEP-2009 | . | PC7877: permanently substitute YS#2328 with YS#2344 |
| 5 | 28-SEP-2009 | 2v00 | PC7846: Add R1 and R2 #4852 |
| 6 | 30-SEP-2009 | 2v00 | PC7848 / PC7848: connect RCA input jacks GND to IG |
| 7 | 05-AUG-2010 | V03 | PC8124: Replace some caps #5260 with #5631 GG |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |

| M1173 Drilling History | | | |
|------------------------|-------|------|-----------------------|
| MODEL(S):- | MC12D | | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |

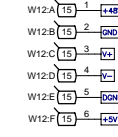
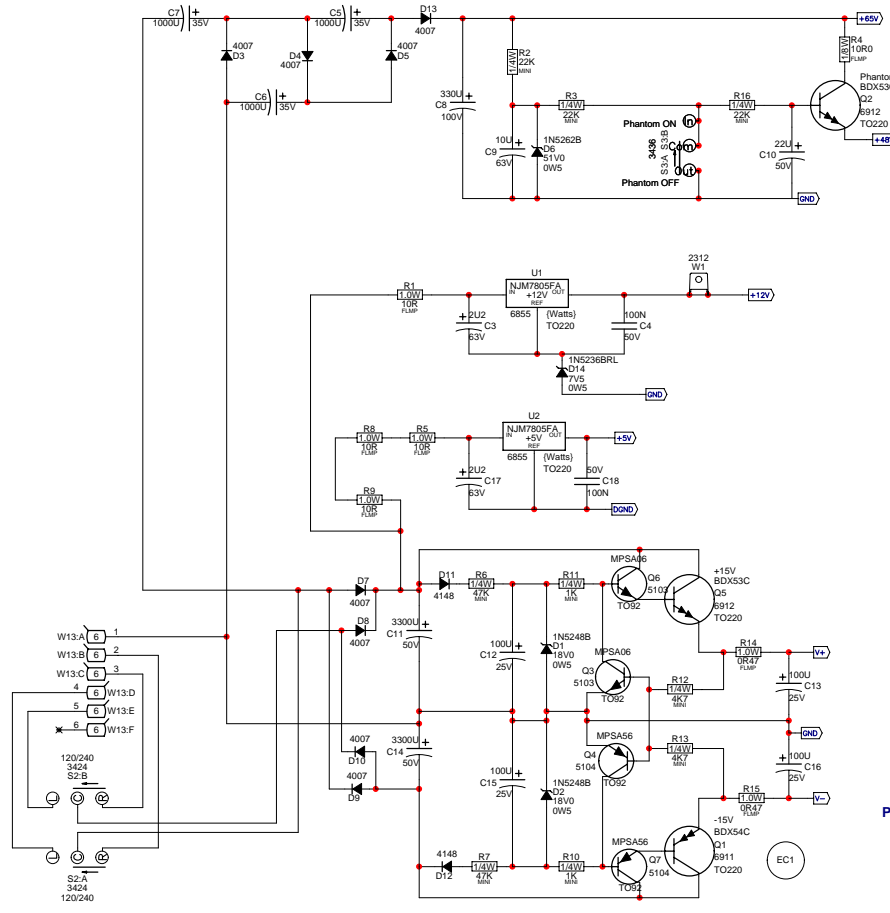
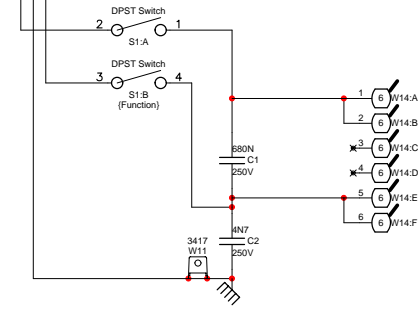
| M1173 Pending Changes | | |
|-----------------------|-------|----------------|
| MODEL(S):- | MC12D | |
| # | PC# | PENDING CHANGE |
| 1 | PC | X |
| 2 | PC | X |
| 3 | PC | X |
| 4 | PC | X |
| 5 | PC | X |
| 6 | PC | X |

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

| M1173 Pot List | | | | |
|----------------|----------------|-------|------|-------|
| MODEL(S):- | AP14 | | | |
| REF | FUNCTION | PART# | KNOB | {NEW} |
| P1 | Trim1 | 4470 | K | N |
| P2 | Trim2 | 4470 | K | N |
| P3 | Trim3 | 4470 | K | N |
| P4 | Trim4 | 4470 | K | N |
| P5 | Trim5 | 4470 | K | N |
| P6 | Trim6 | 4470 | K | N |
| P7 | Trim7 | 4470 | K | N |
| P8 | Trim8 | 4470 | K | N |
| P9 | Gain9/10 | 4465 | K | N |
| P10 | RCA Level9/10 | 4465 | K | N |
| P11 | Gain11/12 | 4465 | K | N |
| P12 | RCA Level11/12 | 4465 | K | N |
| P13 | Phones | 4465 | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |
| R | F | P | K | N |



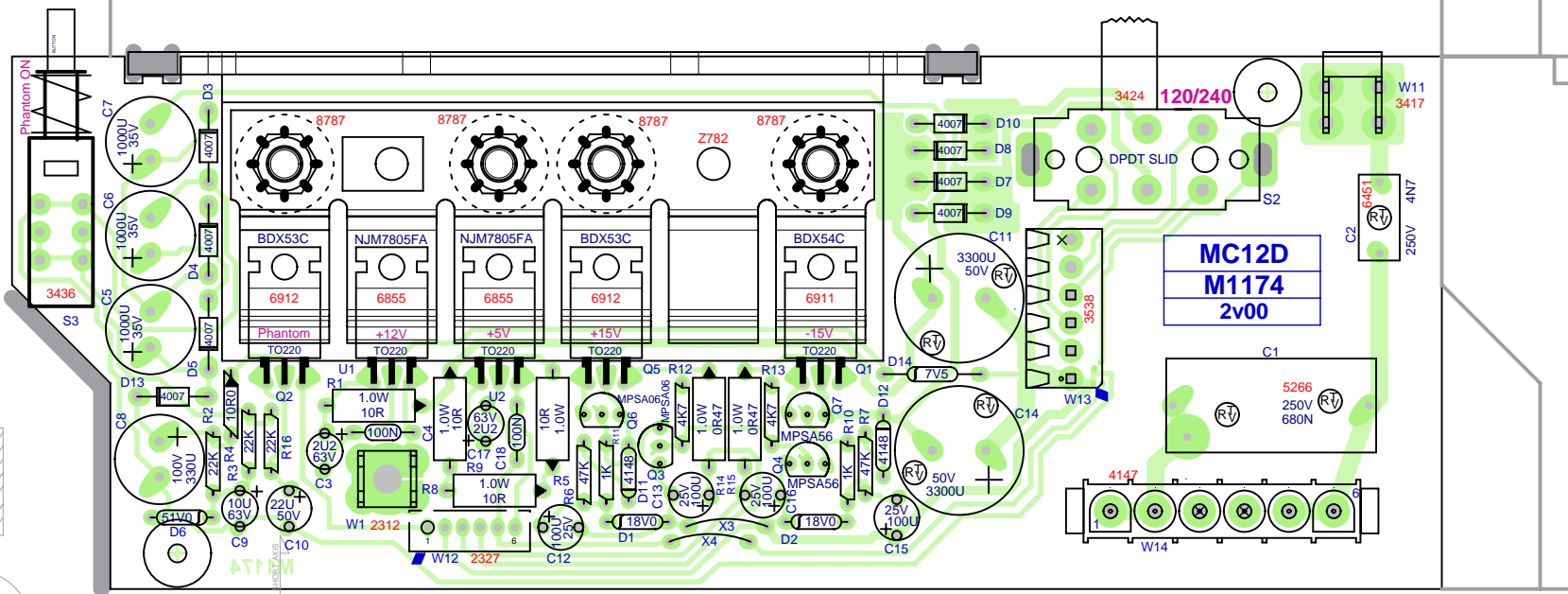
IEC_RECT



Power Supply



| | | |
|--------------------------------|------------|----------------|
| Product MC12D | | |
| power supply | PCB# M1174 | Sheet 1 of 1 |
| Date: Thu Oct 01, 2009 | Rev: 2v00 | YsType: YsType |
| Filename: M1174v200sch.sch2002 | | |



StepAndRepeat - X2@8.000Y3@2.975
 ClinchRepeats - X2@8.000Y3@2.975

Pcb Mech 2v00 M1174
 Top Assy 2v00 M1174



SEE LAYOUT DOCUMENTATION



SEE LAYOUT DIAGRAM



| M1174.PCB_DATABASE_HISTORY | | | |
|----------------------------|-------------|-------|---|
| MODEL(S):- | | MC12D | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | 31 AUG 2009 | V1.00 | Released For Production |
| 2 | 11-SEP-2009 | 2v00 | Moved W14 to allow room to insert. |
| 3 | 30-SEP-2009 | . | PC7848 / PC7849: Reroute phantom GND connection |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |
| 7 | D | V | N |
| 8 | D | V | N |
| 9 | D | V | N |
| 10 | D | V | N |
| 11 | D | V | N |
| 12 | D | V | N |
| 13 | D | V | N |

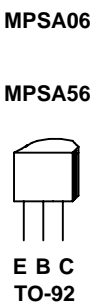
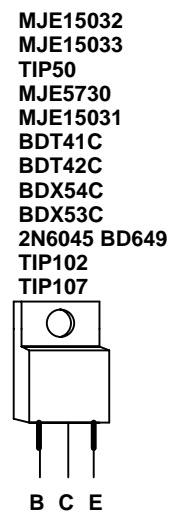
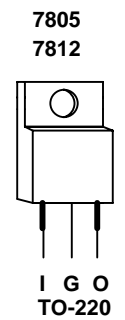
| M1174.PCB_DRILLING_HISTORY | | | |
|----------------------------|------|-------|-----------------------|
| MODEL(S):- | | MC12D | |
| # | DATE | VER# | DESCRIPTION OF CHANGE |
| 1 | D | V | N |
| 2 | D | V | N |
| 3 | D | V | N |
| 4 | D | V | N |
| 5 | D | V | N |
| 6 | D | V | N |

M1174 PENDING CHANGES

| MODEL(S):- | | MC12D | |
|------------|-----|----------------|--|
| # | PC# | PENDING CHANGE | |
| 1 | PC | X | |
| 2 | PC | X | |
| 3 | PC | X | |
| 4 | PC | X | |
| 5 | PC | X | |
| 6 | PC | X | |

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

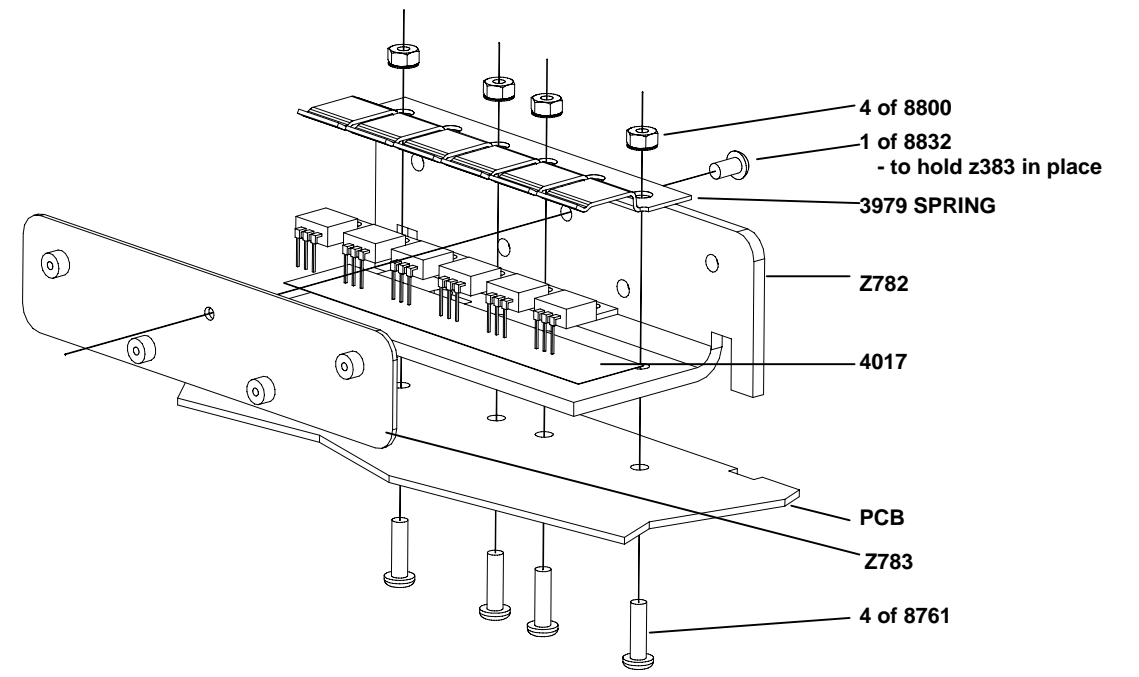
LEAD/PIN REFERENCE

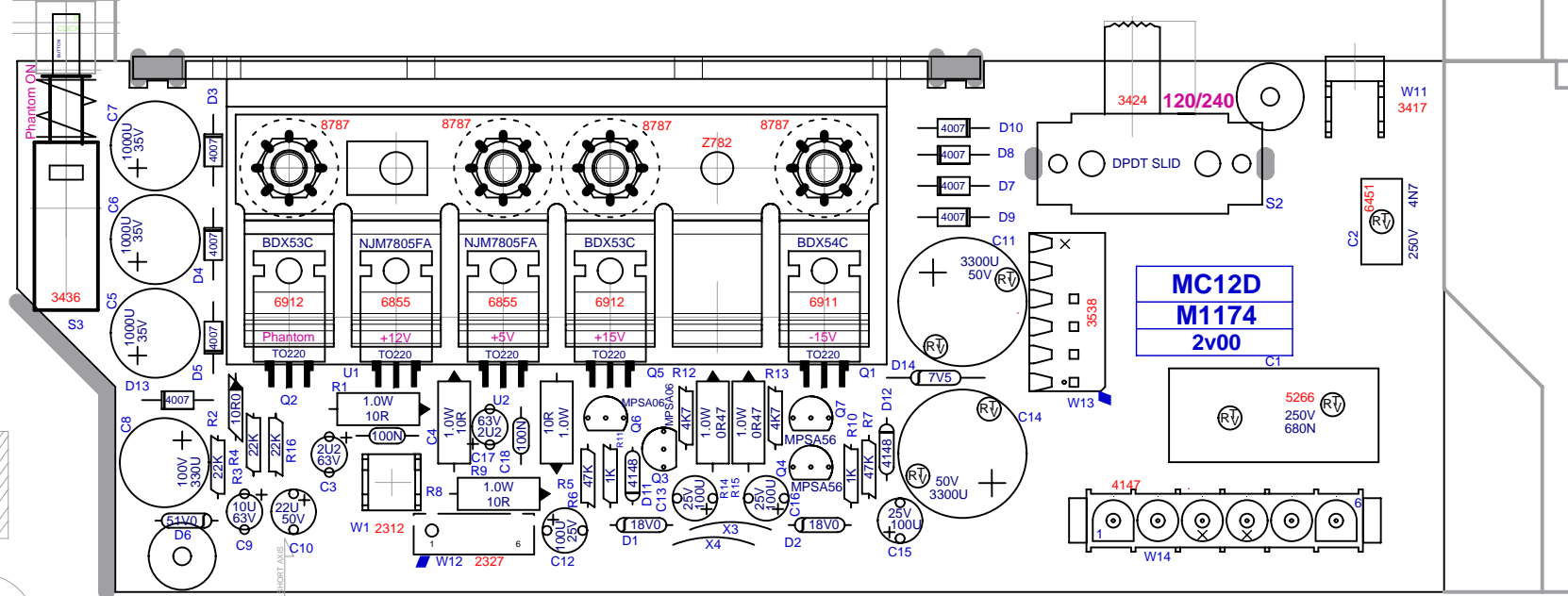


M1174 PRODUCTION NOTES

1. RTV MUST BE ADDED TO THE FOLLOWING CAPS
C11, C14, BETWEEN (C7,C6), (C6,C5), (C5,C8)

2. C1 IS 680N 250VAC FOR BOTH NORTH AMERICA AND CE





StepAndRepeat - X2@8.000Y3@2.975
 ClinchRepeats - X2@8.000Y3@2.975

Pcb Mech 2v00 M1174
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